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Andreas Reinhard sculps. Giss.

Nro4

TABVLAE SINVVM ET TANGENTIVM

OMNIVM VNIVS QVADRANTIS GRADVVM
HORVMQVE MINVTORVM,
vt &
ISTORVM ET NVMERORVM VVLGARIVM
AB 1 VSQVE 10000

LOGARITHMORVM.

QVIBVS ADIECTAE SVNT
QVADRATORVM ET CVBORVM
AB 1 VSQVE 1000
NEC NON

CHORDARVM

RADII 100: 0 PARTIVM
TABVLAE
SCITV NECESSARIAE.

MDCC XXV.

GIESSAE & FRANCOFVRTI,
Apud EBERH. HENR. LAMMERS.

Hist. of Science
Geibel
9-23-30
22354

CANON SINVVM ET TANGEN. NEC NON LOGARITHMO-RVM.

4-16-40

0. Grad.

Minut.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	0	0	0	0
1	29.09	29.09	6.4637261	6.4637261
2	58.18	58.18	6.7647561	6.7647562
3	87.27	87.27	6.9408473	6.9408475
4	116.36	116.36	7.0657860	7.0657863
5	145.44	145.44	7.1626960	7.1626964
6	174.53	174.53	7.2418771	7.2418778
7	203.62	203.62	7.3088239	7.3088248
8	232.71	232.71	7.3668157	7.3668169
9	261.80	261.80	7.4179681	7.4179696
10	290.89	290.89	7.4637255	7.4637273
11	319.98	319.98	7.5051181	7.5051203
12	349.06	349.07	7.5429065	7.5429091
13	378.15	378.16	7.5776684	7.5776715
14	407.24	407.25	7.6098530	7.6098566
15	436.33	436.33	7.6398160	7.6398201
16	465.42	465.42	7.6678445	7.6678492
17	494.51	494.51	7.6941733	7.6941786
18	523.60	523.60	7.7189966	7.7190026
19	552.68	552.69	7.7424775	7.7424841
20	581.77	581.78	7.7647537	7.7647610
21	610.86	610.87	7.7859427	7.7859508
22	639.95	639.96	7.8061458	7.8061547
23	669.04	669.05	7.8254507	7.8254604
24	698.13	698.14	7.8439338	7.8439444
25	727.21	727.23	7.8616623	7.8616738
26	756.30	756.32	7.8786953	7.8787077
27	785.39	785.41	7.8950854	7.8950988
28	814.48	814.50	7.9108793	7.9108935
29	843.57	843.60	7.9261190	7.9261344
30	872.65	872.69	7.9408419	7.9408584

Min.	89. Grad			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	10000000	Infinit.	10.0000000	Infinit.
59	99999.99	343774667.	9.9999999	13.5362739
58	99999.98	171887319.	9.9999999	13.2352438
57	99999.96	114591530.	9.9999998	13.0591525
56	99999.93	85943630.	9.9999997	12.9342137
55	99999.[illegible]	68754887.	9.9999995	12.8373036
54	99999.84	57295721.	9.9999993	12.7581222
53	99999.79	49110600.	9.9999991	12.6911752
52	99999.73	42971757.	9.9999988	12.6331831
51	99999.66	38197099.	9.9999985	12.5820304
50	99999.58	34377371.	9.9999982	12.5362727
49	99999.49	31252137.	9.9999978	12.4948797
48	99999.39	28647773.	9.9999974	12.4570909
47	99999.28	26444080.	9.9999969	12.4223285
46	99999.17	24555198.	9.9999964	12.3901434
45	99999.05	22918166.	9.9999959	12.3601799
44	99998.92	21485762.	9.9999953	12.3321508
43	99998.78	20221875.	9.9999947	12.3058214
42	99998.63	19098419.	9.9999940	12.2809974
41	99998.47	18093220.	9.9999934	12.2575159
40	99998.30	17188540.	9.9999927	12.2352390
39	99998.13	16370019.	9.9999919	12.2140492
38	99997.95	15625908.	9.9999911	12.1938453
37	99997.76	14946502.	9.9999903	12.1745396
36	99997.56	14323712.	9.9999894	12.1560556
35	99997.35	13750745.	9.9999885	12.1383262
34	99997.13	13221851.	9.9999876	12.1212923
33	99996.91	12732134.	9.9999866	12.1049012
32	99996.68	12277396.	9.9999856	12.0891062
31	99996.44	11854018.	9.9999845	12.0738656
30	99996.19	11458865.	9.9999835	12.0591416

o. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	872.65	872.69	7.9408419	7.9408584
31	901.74	901.78	7.9550819	7.9550996
32	930.83	930.87	7.9688698	7.9688886
33	959.92	959.96	7.9822334	7.9822534
34	989.00	989.05	7.9951980	7.9952192
35	1018.09	1018.14	8.0077867	8.0078092
36	1047.18	1047.24	8.0200207	8.0200445
37	1076.27	1076.33	8.0319195	8.0319446
38	1105.35	1105.42	8.0435009	8.0435274
39	1134.44	1134.51	8.0547814	8.0548094
40	1163.53	1163.61	8.0657763	8.0658057
41	1192.61	1192.70	8.0764997	8.0765306
42	1221.70	1221.79	8.0869646	8.0869970
43	1250.79	1250.88	8.0971832	8.0972172
44	1279.87	1279.98	8.1071669	8.1072015
45	1308.96	1309.07	8.1169262	8.1169634
46	1338.05	1338.17	8.1264710	8.1265099
47	1367.13	1367.26	8.1358104	8.1358510
48	1396.22	1396.35	8.1449532	8.1449956
49	1425.30	1425.45	8.1539075	8.1539516
50	1454.39	1454.54	8.1626808	8.1627267
51	1483.48	1483.64	8.1712804	8.1713282
52	1512.56	1512.73	8.1797129	8.1797626
53	1541.65	1541.83	8.1879848	8.1880364
54	1570.73	1570.93	8.1961020	8.1961556
55	1599.82	1600.02	8.2040703	8.2041259
56	1628.90	1629.12	8.2118949	8.2119526
57	1657.99	1658.21	8.2195811	8.2196408
58	1687.07	1687.31	8.2271335	8.2271953
59	1716.16	1716.41	8.2345568	8.2346208
60	1745.24	1745.51	8.2418553	8.2419215

Min.	89. Grad			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99996.19	11458865.0	9.9999835	12.0591416
29	99995.93	11089205.1	9.9999823	12.0449004
28	99995.66	10742648.4	9.9999812	12.0311114
27	99995.39	10417094.5	9.9999800	12.0177466
26	99995.11	10110690.2	9.9999788	12.0047808
25	99994.82	19821794.3	9.9999775	11.9921908
24	99994.52	19548947.5	9.9999762	11.9799555
23	99994.21	19290848.7	9.9999748	11.9680554
22	99993.89	19046333.6	9.9999735	11.9564726
21	99993.56	18814357.2	9.9999721	11.9451906
20	99993.23	18593979.1	9.9999706	11.9341943
19	99992.89	18384350.7	9.9999691	11.9234694
18	99992.54	18184704.1	9.9999676	11.9139030
17	99992.18	17994343.0	9.9999660	11.9027828
16	99991 81	17812634.2	9.9999644	11.8927975
15	99991.43	17639000.9	9.9999628	11.8830366
14	99991.04	17472916.6	9.9999611	11.8734901
13	99990.65	17313899.1	9.9999594	11.8641490
12	99990.25	17161507.0	9.9999577	11.8550044
11	99989.84	17015334.6	9.9999559	11.8460484
10	99989.42	16875008.7	9.9999541	11.8372733
9	99988.99	16740185.4	9.9999522	11.8286718
8	99988.55	16610547.3	9.9999503	11.8202374
7	99988.11	16485800.8	9.9999484	11.8119636
6	99987.66	16365674.1	9.9999464	11.8038444
5	99987.20	16249915.4	9.9999444	11.7958741
4	99986.73	16138290.5	9.9999424	11.7880474
3	99986.25	16030582.0	9.9999403	11.7803592
2	99985.76	15926587.2	9.9999382	11.7728047
1	99985.27	15826117.4	9.9999360	11.7653792
0	99984.77	15728996.2	9.9999338	11.7580785

1. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	1745.24	1745.51	8.2418553	8.2419215
1	1774.32	1774.60	8.2490342	8.2491015
2	1803.41	1803.70	8.2560943	8.2561649
3	1832.49	1832.80	8.2630424	8.2631153
4	1861.58	1861.90	8.2698810	8.2699563
5	1890.66	1891.00	8.2766136	8.2766912
6	1919.74	1920.10	8.2832434	8.2833234
7	1948.83	1949.20	8.2897734	8.2898559
8	1977.91	1978.30	8.2962067	8.2962917
9	2006.99	2007.40	8.3025460	8.3026335
10	2036.08	2036.50	8.3087941	8.3088842
11	2065.16	2065.60	8.3149536	8.3150462
12	2094.24	2094.70	8.3210269	8.3211221
13	2123.32	2123.80	8.3270163	8.3271143
14	2152.41	2152.91	8.3329243	8.3330249
15	2181.49	2182.01	8.3387529	8.3388563
16	2210.57	2211.11	8.3445043	8.3446105
17	2239.65	2240.21	8.3501805	8.3502895
18	2268.73	2269.32	8.3557835	8.3558953
19	2297.81	2198.42	8.3613150	8.3614297
20	2326.90	2327.53	8.3667769	8.3668945
21	2355.98	2356.63	8.3721710	8.3722915
22	2385.06	2385.74	8.3774988	8.3776223
23	2414.14	2414.84	8.3827620	8.3828886
24	2443.22	2443.95	8.3879622	8.3880918
25	2472.30	2473.05	8.3931008	8.3932336
26	2501.38	2502.16	8.3981793	8.3983152
27	2530.46	2531.27	8.4031990	8.4033381
28	2559.54	2560.38	8.4081614	8.4083037
29	2588.62	2589.48	8.4130676	8.4132132
30	2617.69	2618.59	8.4179190	8.4186079

Min.	88. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	99984.77	5728996.16	9.9999338	1.7580785
59	99984.26	5635058.96	9.9999316	11.7508985
58	99983.74	5544151.67	9.9999294	11.4738351
57	99983.21	5456130.03	9.9999271	11.7368847
56	99982.67	5370858.75	9.9999247	11.7300437
55	99982.12	5288210.91	9.9999224	11.7233088
54	99981.57	5208067.26	9.9999200	1.7166766
53	99981.01	5130315.66	9.9999175	1.7101441
52	99980.44	5054850.59	9.9999150	11.7037083
51	99979.86	4981572.64	9.9999125	11.6973665
50	99979.27	4910388.06	9.9999100	11.6911158
49	99978.67	4841208.41	9.9999074	11.6849538
48	99978.06	4773950.14	9.9999047	1.6788779
47	99977.45	4708534.30	9.9999021	11.6728857
46	99976.83	4644886.20	9.9998994	11.6669751
45	99976.20	4582935.12	9.9998966	11.6611437
44	99975.56	4522614.07	9.9998939	11.6553895
43	99974.91	4463859.56	9.9998911	11.6497105
42	99974.25	4406611.32	9.9998882	11.6441047
41	99973.59	4350812.16	9.9998853	11.6385703
40	99972.92	4296407.73	9.9998824	11.6331055
39	99972.24	4243346.39	9.9998794	11.6277085
38	99971.55	4191578.99	9.9998764	11.6223777
37	99970.85	4141058.76	9.9998734	11.6171114
36	99970.14	4091741.16	9.9998703	1.6119082
35	99969.43	4043583.75	9.9998672	11.6067664
34	99968.71	3996546.05	9.9998641	11.6016848
33	99967.98	3950589.46	9.9998609	11.5966619
32	99967.24	3905677.11	9.9998577	11.5916963
31	99966.49	3861773.81	9.9998544	11.5867868
30	99965.73	3818845.93	9.9998512	11.5819321

1. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	2617.69	2618.59	8.4179190	8.4180679
31	2646.77	2647.70	8.4227168	8.4228690
32	2675.85	2676.81	8.4274621	8.4276176
33	2704.93	2705.92	8.4321561	8.4323150
34	2734.01	2735.03	8.4367999	8.4369622
35	2763.09	2764.14	8.4413944	8.4415603
36	2792.16	2793.25	8.4459409	8.4461103
37	2821.24	2822.36	8.4504402	8.4506131
38	2850.32	2851.48	8.4548934	8.4550699
39	2879.40	2880.59	8.4593013	8.4594814
40	2908.47	2909.70	8.4636649	8.4638486
41	2937.55	2938.82	8.4679850	8.4681725
42	2966.62	2967.93	8.4722626	8.4724538
43	2995.70	2997.05	8.4764984	8.4766933
44	3024.78	3026.16	8.4806932	8.4808920
45	305?.85	3055.28	8.4848479	8.4850505
46	3082.93	3084.39	8.4889632	8.4891696
47	3112.00	3113.51	8.4930398	8.4932502
48	3141.08	3142.63	8.4970784	8.4972928
49	3170.15	3171.74	8.5010798	8.5012982
50	3199.22	3200.86	8.5050447	8.5052671
51	3228.30	3229.98	8.5089736	8.5092001
52	3257.37	3259.10	8.5128673	8.5130978
53	3286.44	3288.22	8.5167264	8.5169610
54	3315.52	3317.34	8.5205514	8.5207902
55	3344.59	3346.46	8.5243430	8.5245860
56	3373.66	3375.58	8.5281017	8.5283490
57	3402.73	3404.71	8.5318281	8.5320797
58	3431.81	3433.83	8.5355228	8.5357787
59	3460.88	3462.95	8.5391863	8.5394466
60	3489.95	3492.08	8.5428192	8.5430838

88. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99965.73	3818845.93	9.9998512	11.5819321
29	99964.96	3776861.30	9.9998478	11.5771310
28	99964.19	3735789.17	9.9998445	11.5723824
27	99963.41	3695600.11	9.9998411	11.5676850
26	99962.62	3656265.92	9.9998376	11.5630378
25	99961.82	3617759.62	9.9998342	11.5584397
24	99961.01	3580055.33	9.9998306	11.5538897
23	99960.19	3543128.25	9.9998271	11.5493869
22	99959.36	3506954.58	9.9998235	11.5449301
21	99958.53	3471511.50	9.9998199	11.5405186
20	99957.69	3436777.09	9.9998162	11.5361514
19	99956.84	3402730.29	9.9998125	11.5318275
18	99955.98	3369350.89	9.9998088	11.5275462
17	99955.11	3336619.45	9.9998050	11.5233067
16	99954.24	3304517.27	9.9998012	11.5191080
15	99953.36	3273026.37	9.9997974	11.5149495
14	99952.47	3242129.46	9.9997935	11.5108304
13	99951.57	3211809.88	9.9997896	11.5067498
12	99950.66	3182051.60	9.9997856	11.5027072
11	99949.74	3152839.16	9.9997817	11.4987018
10	99948.81	3124157.67	9.9997776	11.4947329
9	99947.88	3095992.80	9.9997736	11.4907999
8	99946.94	3068330.70	9.9997695	11.4569022
7	99945.99	3041158.02	9.9997653	11.4830387
6	99945.03	3014461.89	9.9997612	11.4792098
5	99944.06	2988229.86	9.9997570	11.4754140
4	99943.08	2962449.95	9.9997527	11.4716510
3	99942.09	2937110.55	9.9997484	11.4679203
2	99941.09	2912200.47	9.9997441	11.4642213
1	99940.09	2887708.88	9.9997398	11.4605534
0	99939.08	2863625.33	9.9997354	11.4569162

Min.	2. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	3489.95	3492.08	8.5428192	8.5430838
1	3519.02	3521.20	8.5464218	8.5466909
2	3548.09	3550.33	8.5499948	8.5502683
3	3577.16	3579.45	8.5535386	8.5538166
4	3606.23	3608.58	8.5570536	8.5573362
5	3635.30	3637.71	8.5605404	8.5608276
6	3664.37	3666.83	8.5639994	8.5642912
7	3693.44	3695.96	8.5674310	8.5677275
8	3722.51	3725.09	8.5708357	8.5711368
9	3751.58	3754.22	8.5742139	8.5745167
10	3780.65	3783.35	8.5775660	8.5778766
11	3809.71	3812.48	8.5808923	8.5812077
12	3818.78	3841.61	8.5841933	8.5845136
13	3867.85	3870.74	8.5847694	8.9877949
14	3896.91	3899.88	8.5907209	8.5910509
15	3925.98	3929.01	8.5939483	8.5942832
16	3955.05	3958.14	8.5971517	8.5974917
17	3984.11	3987.28	8.6003317	8.6006767
18	4013.18	4016.41	8.6034886	8.6038386
19	4042.24	4045.55	8.6066226	8.6069777
20	4071.31	4074.69	8.6097341	8.6100943
21	4100.37	4103.83	8.6128231	8.6131889
22	4129.44	4132.96	8.6158910	8.6162616
23	4158.50	4162.10	8.6189360	8.6193127
24	4187.57	4191.24	8.6219616	8.6223427
25	4216.63	4220.38	8.6249653	8.6253518
26	4245.69	4249.52	8.6279484	8.6283402
27	4274.75	4278.66	8.6309111	8.6313083
28	4303.82	4307.81	8.6338537	8.6342563
29	4332.88	4336.95	8.6367764	8.6371845
30	4361.94	4366.09	8.6396796	8.6400931

87. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	99939.08	2863625.33	9.9997354	11.4569162
59	99938.06	2839939.69	9.9997309	11.4533091
58	99937.03	2816642.18	9.9997265	11.4497317
57	99935.99	2793723.33	9.9997220	11.4461834
56	99934.95	2771173.99	9.9997174	11.4426638
55	99933.90	2748985.28	9.9997128	11.4391724
54	99932.84	2727148.61	9.9997082	11.4357088
53	99931.77	2705655.68	9.9997036	11.4322725
52	99930.69	2684498.43	9.9996989	11.4288632
51	99929.60	2663669.04	9.9996942	11.4254803
50	99928.51	2643159.96	9.9996894	11.4221234
49	99927.40	2622963.84	9.9996846	11.4187923
48	99926.29	2603073.58	9.9996798	11.4154864
47	99925.17	2583482.27	9.9996749	11.4122055
46	99924.04	2564183.23	9.9996700	11.4089491
45	99922.90	2545169.96	9.9996650	11.4057168
44	99921.75	2526436.15	9.9996601	11.4025083
43	99920.60	2507975.68	9.9996550	11.3993233
42	99919.44	2489782.62	9.9996500	11.3961614
41	99918.27	2471851.19	9.9996449	11.3930223
40	99917.09	2454175.78	9.9996398	11.3899057
39	99915.90	2436750.95	9.9996346	11.3868111
38	99914.70	2419571.40	9.9996294	11.3837384
37	99913.49	2402631.99	9.9996242	11.3806873
36	99912.28	2385927.72	9.9996189	11.3776573
35	99911.06	2369453.72	9.9996136	11.3746482
34	99909.83	2353205.25	9.9996082	11.3716598
33	99908.59	2337177.72	9.9996028	11.3686917
32	99907.34	2321366.65	9.9995974	11.3657437
31	99906.08	2305767.67	9.9995919	11.3628155
30	99904.82	2290376.55	9.9995865	11.3599059

2. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	4361.94	4366.09	8.6396796	8.6400931
31	4394.00	4395.24	8.6425634	8.6429825
32	4420.06	4424.38	8.6454282	8.6458528
33	4449.12	4453.53	8.6482742	8.6487044
34	4478.18	4482.68	8.6511016	8.6515375
35	4507.24	4511.82	8.6539107	8.6543522
36	4536.30	4540.97	8.6567017	8.6571490
37	4565.36	4570.12	8.6594748	8.6599279
38	4594.42	4599.27	8.6622303	8.6626891
39	4623.47	4628.42	8.6649684	8.6654331
40	4652.53	4657.57	8.6676893	8.6681598
41	4681.59	4686.73	8.6703932	8.6708697
42	4710.64	4715.88	8.6730804	8.6735628
43	4739.70	4745.03	8.6757510	8.6762393
44	4768.76	4774.19	8.6784052	8.6788996
45	4797.81	4803.34	8.6810433	8.6815437
46	4826.87	4832.50	8.6836654	8.6841719
47	4855.92	4861.66	8.6862718	8.6867844
48	4884.98	4890.82	8.6888625	8.6893813
49	4914.03	4919.97	8.6914379	8.6929629
50	4943.08	4949.13	8.6939980	8.6945292
51	4[illegible]72.14	4978.29	8.6965431	8.6970806
52	5001.19	5007.46	8.6990734	8.6996173
53	5030.24	5036.62	8.7015889	8.7021390
54	5059.29	5065.78	8.7040899	8.7046465
55	5088.35	5094.95	8.7065766	8.7071395
56	5117.40	5124.11	8.7090490	8.7096185
57	5146.45	5153.28	8.7115075	8.7120834
58	5175.50	5182.44	8.7139520	8.7145345
59	5204.55	5211.61	8.7163829	8.7169719
60	5233.60	5240.78	8.7188002	8.7193958

87. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99904.82	2290376.55	9.9995865	11.3599069
29	99903.55	2275189.16	9.9995809	11.3570175
28	99902.27	2260201.48	9.9995753	11.3541472
27	99900.98	2245409.59	9.9995697	11.3512956
26	99899.68	2230809.67	9.9995641	11.3484625
25	99898.37	2216398.02	9.9995584	11.3456478
24	99897.05	2202171.00	9.9995527	11.3428510
23	99895.73	2188125.10	9.9995469	11.3400721
22	99894.40	2174256.87	9.9995411	11.3373109
21	99893.06	2160562.96	9.9995353	11.3345669
20	99891.71	2147040.10	9.9995297	11.3318402
19	99890.35	2133685.11	9.9995236	11.3291303
18	99888.98	2120494.88	9.9995176	11.3264372
17	99887.61	2107466.37	9.9995116	11.3237607
16	99886.23	2094596.63	9.9995056	11.3211004
15	99884.84	2081882.76	9.9994996	11.3184563
14	99883.44	2069321.96	9.9994935	11.3158281
13	99882.03	2056911.47	9.9994874	11.3132156
12	99880.61	2044648.61	9.9994812	11.3106187
11	99879.18	2032530.75	9.9994750	11.3080371
10	99877.75	2020555.35	9.9994688	11.3054708
9	99876.31	2008719.89	9.9994625	11.3029194
8	99874.86	1997021.95	9.9994562	11.3003828
7	99873.40	1985459.12	9.9994498	11.2978610
6	99871.93	1974029.10	9.9994435	11.2053535
5	99870.45	1962729.59	9.9994370	11.2928605
4	99868.97	1951558.37	9.9994306	11.2903815
3	99867.48	1940513.27	9.9994241	11.2870166
2	99865.98	1929592.17	9.9994176	11.2854655
1	99864.47	1918792.98	9.9994110	11.2830281
0	99862.95	1908113.67	9.9994044	11.2806042

3. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	5233.60	5240.78	8.7188002	8.7193958
1	5262.64	5269.95	8.7212040	8.7218063
2	5291.69	5299.12	8.7235946	8.7242035
3	5320.74	5328.29	8.7259721	8.7265877
4	5349.79	5357.46	8.7283366	8.7289589
5	5378.83	5386.63	8.7306882	8.7313174
6	5407.88	5415.81	8.7330272	8.7336631
7	5436.93	5444.98	8.7353535	8.7359964
8	5465.97	5474.16	8.7376675	8.7383172
9	5495.02	5503.33	8.7399691	8.7406258
10	5524.06	5532.51	8.7422586	8.7429222
11	5553.11	5561.69	8.7445360	8.7452067
12	5582.15	5590.87	8.7468015	8.7474792
13	5611.19	5620.05	8.7490553	8.7497400
14	5640.24	5649.23	8.7512973	8.7519892
15	5669.28	5678.41	8.7535278	8.7542269
16	5698.32	5707.59	8.7557469	8.7564531
17	5727.36	5736.78	8.7579546	8.7586681
18	5756.40	5765.96	8.7601512	8.7608719
19	5785.44	5795.14	8.7623366	8.7630647
20	5814.48	5824.34	8.7645111	8.7652465
21	5843.52	5853.52	8.7666747	8.7674175
22	5872.56	5882.71	8.7688275	8.7695777
23	5901.60	5911.90	8.7709697	8.7717274
24	5930.64	9541.09	8.7731014	8.7738665
25	5959.67	5970.29	8.7752226	8.7759952
26	5988.71	5999.48	8.7773334	8.7781136
27	6017.75	6028.67	8.7794340	8.7802218
28	6046.78	6057.87	8.7815244	8.7823199
29	6075.82	6087.06	8.7836048	8.7844079
30	6104.85	6116.26	8.7856753	8.7864861

86. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	99862.95	1908113.67	9.9994044	11.2806042
59	99861.42	1897552.26	9.9993978	11.2781937
58	99859.89	1887106.80	9.9993911	11.2757965
57	99858.35	1876775.39	9.9993844	11.2734123
56	99856.80	1866556.18	9.9993776	11.2710411
55	99855.24	1856447.34	9.9993708	11.2686826
54	99853.67	1846447.09	9.9993640	11.2663369
53	99852.09	1836553.70	9.9993572	11.2640036
52	99850.50	1826765.44	9.9993503	11.2616828
51	99848.91	1817080.67	9.9993433	11.2593742
50	99847.31	1807497.74	9.9993364	11.2570778
49	99845.70	1798015.05	9.9993293	11.2547933
48	99844.08	1788631.04	9.9993223	11.2525208
47	99842.45	1779344.17	9.9993152	11.2502600
46	99840.81	1770152.94	9.9993081	11.2480108
45	99839.16	1761055.88	9.9993009	11.2457731
44	99837.51	1752051.55	9.9992938	11.2435469
43	99835.85	1743138.54	9.9992865	11.2413319
42	99834.18	1734315.46	9.9992793	11.2391281
41	99832.50	1725580.95	9.9992720	11.2369353
40	99830.81	1716933.69	9.9992646	11.2347535
39	99829.11	1708372.38	9.9992572	11.2325825
38	99827.41	1699895.74	9.9992498	11.2304223
37	99825.70	1691502.51	9.9992424	11.2282726
36	99823.98	1683191.48	9.9992349	11.2261335
35	99822.25	1674961.44	9.9992274	11.2240048
34	99820.51	1666811.20	9.9992198	11.2218864
33	99818.76	1658739.62	9.9992122	11.2197782
32	99817.01	1650745.55	9.9992046	11.2176801
31	99815.25	1642827.89	9.9991969	11.2155921
30	99813.48	1634985.55	9.9991892	11.2135139

3. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	6104.85	6116.26	8.7856753	8.7864861
31	6133.89	6145.46	8.7877359	8.7885544
32	6162.92	6174.66	8.7897867	8.7906130
33	6191.96	6203.86	8.7918278	8.7926620
34	6220.99	6233.06	8.7938594	8.7947014
35	6250.02	6262.26	8.7958814	8.7967313
36	6279.05	6291.47	8.7978941	8.7987519
37	6308.08	6320.67	8.7998974	8.8007632
38	6337.11	6349.88	8.8018915	8.8027653
39	6366.14	6379.08	8.8038764	8.8047583
40	6395.17	6408.29	8.8058523	8.8067422
41	6424.20	6437.50	8.8078192	8.8087172
42	6453.23	6466.71	8.8097772	8.8106834
43	6482.26	6495.92	8.8117264	8.8126407
44	6511.29	6525.13	8.8136668	8.8145894
45	6540.31	6554.35	8.8155985	8.8165294
46	6569.34	6583.56	8.8175217	8.8184608
47	6598.36	6612.78	8.8194363	8.8203838
48	6627.39	6641.99	8.8213425	8.8222984
49	6656.41	6671.21	8.8232404	8.8242046
50	6685.44	6700.43	8.8251299	8.8261026
51	6714.46	6729.65	8.8270112	8.8279924
52	6743.48	6758.87	8.8288844	8.8298741
53	6772.51	6788.09	8.8307495	8.8317478
54	6801.53	6817.32	8.8326066	8.8336234
55	6830.55	6846.54	8.8344557	8.8354712
56	6859.57	6875.77	8.8362969	8.8373211
57	6888.59	6904.99	8.8381304	8.8391633
58	6917.61	6934.22	8.8399561	8.8409977
59	6946.63	6963.45	8.8417741	8.8428245
60	6975.65	6992.68	8.8435845	8.8446437

86 Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99813.48	1634985.55	9.9991892	11.2135139
29	99811.70	1627217.44	9.9991815	11.2114456
28	99809.91	1619522.53	9.9991737	11.2093870
27	99808.11	1611899.79	9.9991659	11.2073380
26	99806.30	1604348.19	.9991580	.2052986
25	99804.49	1596866.74	.9991501	.2032687
24	99802.67	1589454.48	.9991422	.2012481
23	99800.84	1582110.45	.9991342	.1992368
22	99799.00	1574833.71	.9991262	.1972347
21	99797.15	1567623.33	.9991182	.1952417
20	99795.29	1560478.41	.9991101	.1932578
19	99793.43	1553398.06	.9991020	.1912828
18	99791.56	1546381.41	.9990938	.1893166
17	99789.68	1539427.60	.9990856	.1873593
16	99787.79	1532535.80	.9990774	.1854106
15	99785.89	1525705.17	.9990691	.1834706
14	99783.98	1518934.90	.9990608	.1815392
13	99782.06	1512224.20	.9990525	.1796162
12	99780.14	1505572.27	.9990441	.1777016
11	99778.21	1498978.36	.9990357	.1757954
10	99776.27	1492441.70	.9990273	.1738974
9	99774.32	1485961.55	.9990188	.1720076
8	99772.36	1479537.18	.9990103	.1701259
7	99770.39	1473167.87	.9990017	.1682522
6	99768.42	1466852.92	.9989931	.1663866
5	99766.44	1460591.63	.9989845	.1645288
4	99764.45	1454383.32	.9989758	.1626789
3	99762.45	1448227.32	.9989671	.1608367
2	99760.44	1442122.97	.9989584	.1590023
1	99758.42	1436069.61	.9989496	.1571755
0	99756.40	1430066.63	.9989408	.1553563

4. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	6975.65	6992.68	8.8435845	8.8446437
1	7004.66	7021.91	8.8453874	8.8464554
2	7033.68	7051.15	8.8471827	8.8482597
3	7062.70	7080.38	8.8489707	8.8500566
4	7091.71	7109.61	.8507512	.8518461
5	7120.73	7138.85	.8525245	.8536283
6	7149.74	7168.09	.8542905	.8554034
7	7178.76	7197.33	.8560493	.8571713
8	7207.77	7226.57	.8578010	.8589321
9	7236.78	7255.81	.8595457	.8606859
10	7265.80	7285.05	.8612833	.8624327
11	7294.81	7314.30	.8630139	.8641725
12	7323.82	7343.54	.8647376	.8659055
13	7352.83	7372.79	.8664545	.8676317
14	7381.84	7402.03	.8681646	.8693511
15	7410.85	7431.28	.8698680	.8710638
16	7439.80	7460.53	.8715646	.8727699
17	7468.87	7489.79	.8732546	.8744694
18	7497.87	7519.04	.8749381	.8761623
19	7526.88	7548.29	.8766150	.8778487
20	7555.89	7577.55	.8782854	.8795286
21	7584.89	7606.80	.8799493	.8812022
22	7613.90	7636.06	.8816069	.8828694
23	7642.90	7665.32	.8832581	.8845303
24	7671.90	7694.58	.8849031	.8861850
25	7700.91	7723.84	.8865418	.8878334
26	7729.91	7753.11	.8881743	.8894757
27	7758.91	7782.37	.8898007	.8911119
28	7787.91	7811.64	.8913209	.8927420
29	7816.91	7840.90	.8930351	.8943660
30	7845.91	7870.17	.8946433	.8959842

85. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	99756.40	1430066.63	9.9989408	11.1553563
59	99754.37	1424113.37	9.9989319	11.1535446
58	99752.33	1418209.24	9.9989230	11.1517403
57	99750.28	1412353.63	9.9989141	11.1499434
56	748.22	406545.93	.9989052	.1481539
55	746.15	400785.56	.9988962	.1463717
54	744.07	395071.94	.9988871	.1445966
53	741.99	389404.51	.9988780	.1428287
52	739.90	383782.70	.9988689	.1410679
51	737.80	378205.98	.9988598	.1393141
50	735.69	372673.79	.9988506	.1375673
49	733.57	367185.60	.9988414	.1358275
48	731.44	361740.89	.9988321	.1340945
47	729.31	356339.15	.9988228	.1323683
46	727.17	350979.86	.9988135	.1306489
45	725.02	345662.53	.9988041	.1289362
44	722.86	340386.67	.9987947	.1272301
43	720.69	335151.79	.9987853	.1255306
42	718.51	329957.41	.9987758	.1238377
41	716.32	324803.07	.9987663	.1221513
40	714.13	319688.30	.9987567	.1204714
39	711.93	214912.66	.9987471	.1187978
38	709.72	309575.68	.9987375	.1171306
37	707.50	304576.93	.9987278	.1154697
36	705.27	299615.98	.9987181	.1138150
35	703.03	294692.40	.9987084	.1121666
34	700.79	289805.77	.9986986	.1105243
33	698.54	284955.66	.9986888	.1088881
32	696.28	280141.68	.9986790	.1072580
31	694.01	275363.41	.9986691	.1056340
30	691.73	270620.47	.9986591	.1040158

4. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	7845.91	7870.17	8.8946433	8.8959842
31	7874.91	7899.44	8.8962455	8.8975963
32	7903.91	7928.71	8.8978418	8.8992026
33	7932.90	7957.98	8.8994322	8.9008030
34	7961.90	7987.26	.9010168	.9023977
35	7990.90	8016.53	.9025955	.9039866
36	8019.89	8045.81	.9041685	.9055697
37	8048.89	8075.09	.9057358	.9071472
38	8077.88	8104.37	.9072975	.9087190
39	8106.87	8133.65	.9088535	.9102853
40	8135.87	8162.93	.9104039	.9118460
41	8164.86	8192.21	.9119487	.9134012
42	8193.85	8221.50	.9134881	.9149509
43	8222.84	8250.78	.9150219	.9164952
44	8251.83	8280.07	.9165504	.9180340
45	8280.82	8309.36	.9180734	.9195675
46	8309.81	8338.65	.9195911	.9210957
47	8338.80	8367.94	.9211034	.9226186
48	8367.78	8397.23	.9226105	.9241363
49	8396.77	8426.53	.9241123	.9256487
50	8425.76	8455.83	.9256089	.9271569
51	8454.74	8485.12	.9271003	.9286581
52	8483.73	8514.42	.9285866	.9301552
53	8512.71	8543.72	.9300678	.9316471
54	8541.66	8573.02	.9315439	.9331340
55	8570.67	8602.33	.9330150	.9346160
56	8599.66	8631.63	.9344811	.9360929
57	8628.64	8660.94	.9359422	.9375950
58	8657.62	8690.25	.9373983	.9390321
59	8686.60	8719.56	.9388496	.9404944
60	8715.57	8748.87	.9402960	.9419518

85. Grad.

Scrup.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99691.73	1270620.47	9.9986591	11.1040158
29	99689.44	1265912.46	9.9986492	11.1024037
28	99687.15	1261239.00	9.9986392	11.1007974
27	99684.85	1256599.71	9.9986292	11.0991970
26	682.54	1251994.20	.9986191	.0976023
25	680.22	1247422.12	.9986090	.0960134
24	677.89	1242883.10	.9985988	.0944303
23	675.55	1238376.79	.9985886	.0928528
22	673.20	1233902.82	.9985784	.0912810
21	670.85	1229460.85	.9985682	.0897147
20	668.49	1225050.55	.9985579	.0881540
19	666.12	1220671.56	.9985475	.0865988
18	663.74	1216323.56	.9985372	.0850491
17	661.35	1212006.22	.9985268	.0835048
16	658.95	1207719.22	.9985163	.0819660
15	656.55	1203462.23	.9985058	.0804325
14	654.14	1199234.95	.9984953	.0789043
13	651.72	1195037.05	.9984848	.0773814
12	649.29	90868.24	.9984742	.0758637
11	646.85	86728.21	.9984636	.0743513
10	644.40	82616.67	.9984529	.0728440
9	641.94	78533.31	.9984422	.0713419
8	639.48	74477.86	.9984315	.0698448
7	637.01	70450.03	.9984207	.0683529
6	634.53	66449.53	.9984099	.0668660
5	632.04	62476.08	.9983990	.0653840
4	629.54	58529.42	.9983881	.0639071
3	627.03	54609.27	.9983772	.0624350
2	624.52	50715.36	.9983663	.0609670
1	622.00	46847.43	.9983553	.0595056
0	619.47	43065.23	.9983442	.0580482

5. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	8715.57	8748.87	8.9402960	8.9419518
1	8744.55	8778.18	8.9417376	8.9434044
2	8773.53	8807.49	8.9431743	8.9448523
3	8802.51	8836.81	8.9446063	8.9492954
4	8831.48	8866.12	.9460335	.9477338
5	8860.46	8895.44	.9474561	.9491676
6	8889.43	8924.76	.9488739	.9505967
7	8918.40	8954.08	.9502871	.9520211
8	8947.38	8983.41	.9516957	.9534410
9	8976.35	9012.73	.9530996	.9548564
10	9005.32	9042.06	.9544991	.9562672
11	9034.29	9071.38	.9558940	.9576735
12	9063.26	9100.71	.9572843	.9590754
13	9092.23	9130.04	.9586703	.9604728
14	9121.19	9159.38	.9600517	.9618659
15	9150.16	9188.71	.9614288	.9632545
16	9179.13	9218.04	.9628014	.9646386
17	9208.09	9247.38	.9641697	.9660188
18	9237.06	9276.72	.9655337	.9673944
19	9266.02	9306.06	.9668934	.9687658
20	9294.99	9335.40	.9682487	.9701330
21	9323.95	9364.74	.9695999	.9714959
22	9352.91	9394.09	.9709468	.9728547
23	9381.87	9423.44	.9722895	.9742092
24	9410.83	9452.78	.9736280	.9755597
25	9439.79	9482.13	.9749624	8.9769060
26	9468.75	9511.48	.9762926	8.9782483
27	9497.71	9540.84	.9776188	.9795865
28	9526.66	9570.19	.9789408	.9809206
29	9555.62	9599.55	.9802589	.9822507
30	9584.58	9628.90	.9815729	.9835769

84.Grad

Min.	Sinus.	Tang.	Log. Sin	Log. Tang.
60	99619.47	1143005.23	9.9983442	11.0580482
59	99616.93	1139188.49	9.9983332	11.0565956
58	99614.38	1135396.96	9.9983220	11.0551477
57	99611.82	1131630.40	9.9983109	11.0537046
56	609.26	1127888.55	.9982997	.0522662
55	606.69	1124171.17	.9982885	.0508324
54	604.11	1120478.03	.9982772	.0494033
53	601.52	1116808.88	.9982660	.0479789
52	598.92	1113163.50	.9982546	.0465590
51	596.31	1109541.64	.9982433	.0451536
50	593.69	1105943.10	.9982318	.0437328
49	591.07	1102367.63	.9982204	.0423265
48	588.44	1098815.01	.9982089	.0409246
47	585.80	095285.04	.9981974	.0395272
46	583.15	91777.49	.9981859	.0381341
45	580.49	88292.14	.9981743	.0367455
44	577.82	84828.80	.9981629	.0353612
43	575.15	81387.24	.9981510	.0339812
42	572.47	77967.27	.9981393	.0326056
41	569.78	74568.68	.9981275	.0312342
40	567.08	71191.26	.9981158	.0298670
39	564.37	67834.84	.9981040	.0285041
38	561.65	64499.19	.9980921	.0271453
37	558.92	61184.14	.9980802	.0257908
36	556.19	57489.50	.9980683	.0244403
35	553.45	54615.07	.9980563	.0230940
34	550.70	51360.67	.9980443	.0217517
33	547.94	48126.11	.9980323	.0204135
32	545.17	44911.22	.9980202	.0190794
31	542.40	41715.81	.9980081	.0177493
30	539.62	38539.71	.9979960	.0164231

5. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	9584.58	9628.90	8.9815729	8.9835769
31	9613.53	9658.26	.9828829	.9848991
32	9642.48	9687.63	.9841889	.9862173
33	9671.44	9716.99	.9854910	.9875317
34	9700.39	9746.35	.9867891	.9888421
35	9729.34	9775.72	.9880834	.9901487
36	9758.29	9805.09	.9893737	.9914514
37	9787.24	9834.46	.9906602	.9927503
38	9816.19	9863.83	.9919429	9.9940454
39	9845.14	9893.20	.9932217	.9953367
40	9874.08	9922.57	.9944968	.9969243
41	9903.03	9951.95	.9957681	.9979081
42	9931.97	9981.33	.9970356	.9991883
43	9960.92	10010.71	.9982964	9.0004647
44	9989.86	10040.09	.9995595	9.0017375
45	10018.81	10069.47	9.0008160	9.0030066
46	10047.75	10098.85	9.0020687	9.0042721
47	076.69	128.24	9.0033179	9.0055340
48	105.63	157.63	9.0045634	9.0067924
49	134.57	187.02	9.0058053	9.0080471
50	163.51	216.41	9.0070436	9.0092984
51	192.45	245.80	9.0082784	9.0105461
52	221.38	275.20	9.0095096	9.0117903
53	250.32	304.60	9.0107374	9.0130310
54	279.25	334.00	9.0119616	9.0142682
55	308.19	363.40	9.0131823	9.0155021
56	337.12	392.80	9.0143996	9.0167325
57	366.05	422.20	9.0156135	9.0179594
58	394.99	451.60	9.0168239	9.0191831
59	423.92	481.01	9.0180309	9.0204033
60	452.85	510.42	9.0192346	9.0216202

Min.	84. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99539.62	1038539.71	9.9979960	11.0164231
29	99536.83	1035382.74	9.9979838	11.0151009
28	99534.03	1032244.73	9.9979716	11.0137827
27	99531.22	1029125.51	9.9979593	11.0124683
26	528.40	1026024.90	.9979470	.0111579
25	525.57	1022942.76	.9979347	.0098513
24	522.74	1019878.90	.9979223	.0085486
23	519.90	1016833.16	.9979099	.0072497
22	517.05	1013805.39	.9978975	.0059546
21	514.19	1010795.42	.9978850	.0046633
20	511.32	1007803.11	.9978725	.0033757
19	508.44	1004828.28	.9978599	.0020916
18	505.55	1001870.80	.9978473	.0008117
17	502.66	1998930.50	.9978347	10.9995353
16	499.76	1996007.24	.9978220	10.9982625
15	469.85	1993100.88	.9978093	10.9969934
14	493.93	1990211.25	.9977966	.9957279
13	491.00	1987338.23	.9977838	.9944660
12	488.06	1984481.66	.9977710	.9932076
11	485.12	1981641.40	.9977582	.9919529
10	482.17	1978817.32	.9977453	.9907016
9	479.21	1976009.27	.9977323	.9894539
8	476.24	1973217.13	.9977194	.9882097
7	473.26	1970440.75	.9977064	.9869690
6	470.27	1967680.00	.9976933	.9857318
5	467.28	1964934.75	.9976803	.9844979
4	464.28	1992204.86	.9976672	.9832675
3	461,27	1959490.22	.9976540	.9820406
2	458.25	1956790.68	.9976408	.9808169
1	455.22	1954106.13	.9976276	.9795967
0	452.18	1951436.45	.9976143	.9783798

6. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	10452.85	10510.42	9.0192346	9.0216202
1	10481.78	10539.83	9.0204348	9.0228338
2	10510.70	10569.24	9.0216318	9.0240441
3	10539.63	10598.66	9.0228254	9.0252510
4	568.56	628.08	.0240157	.0264548
5	597.48	657.50	.0252027	.0276552
6	626.41	686.92	.0263865	.0288524
7	655.33	716.34	.0275669	.0300464
8	684.25	745.76	.0287442	.0312373
9	713.18	775.19	.0299182	.0324249
10	742.10	804.62	.0310890	.0336093
11	771.02	834.05	.0322567	.0347906
12	799.94	863.48	.0334212	.0359688
13	828.85	892.91	.0345825	.0371439
14	857.77	922.34	.0357407	.0383159
15	886.69	951.78	.0368958	.0394848
16	915.60	981.22	.0380477	.0406506
17	944.52	11010.66	.0391966	.0418134
18	973.43	11040.10	.0403424	.0429731
19	11002.34	069.54	.0414852	.0441299
20	11031.26	098.99	.0426249	.0452836
21	11060.17	128.44	.0437617	.0464343
22	089.08	157.89	.0448954	.0475821
23	117.99	187.34	.0460261	.0487270
24	146.89	216.79	.0471538	.0498689
25	175.80	246.25	.0482786	.0510078
26	204.71	275.71	.0494005	.0521439
27	233.61	305.17	.0505194	.0532771
28	262.52	334.63	.0516354	.0544074
29	291.42	364.09	.0527485	.0555349
30	320.32	393.56	.0538588	.0566595

Minut.	83. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	99452.18	951436.45	9.9976143	10.9783798
59	99449.14	948781.49	9.9976011	10.9771662
58	99446.09	946141.16	9.9975877	10.9759559
57	99443.03	943515.31	9.9975743	10.9747490
56	439.96	940903.84	.9975609	.9735452
55	436.88	938306.63	.9975475	.9723448
54	433.79	935723.55	.9975340	.9711476
53	430.69	933154.50	.9975205	.9699536
52	427.59	930599.36	.9975069	.9687627
51	424.48	928058.02	.9974933	.9675751
50	421.36	925530.35	.9974797	.9663907
49	418.23	923016.27	.9974660	.9652094
48	415.09	920515.64	.9974523	.9640312
47	411.94	918028.38	.9974386	.9628561
46	408.79	915554.36	.9974248	.9616841
45	405.63	913093.48	.9974110	.9605152
44	402.46	910645.64	.9973971	.9593494
43	399.28	908210.74	.9973833	.9581866
42	396.09	905788.67	.9973693	.9570269
41	392.89	903379.33	.9973554	.9558701
40	389.69	900982.61	.9973414	.9547164
39	386.48	898598.43	.9973273	.9535657
38	383.26	896226.68	.9973132	.9524179
37	380.03	893867.26	.9972991	.9512730
36	376.79	891520.08	.9972850	.9501311
35	373.54	889185.05	.9972708	.9489922
34	370.28	886862.06	.9972566	.9478561
33	367.02	884551.03	.9972423	.9467229
32	363.75	882251.86	.9972280	.9455926
31	360.47	879964.46	.9972137	.9444651
30	357.18	877688.74	.9971993	.9433405

6. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	11320. 32	11393. 56	9.0538588	9.0566595
31	11349. 22	11423. 03	9.0549661	9.0577813
32	11378. 12	11452. 50	9.0560706	9.0589002
33	11407. 02	11481. 97	9.0571723	9.0600164
34	435. 92	511. 44	.0582711	.0611297
35	464. 82	540. 91	.0593671	.0622403
36	493. 71	570. 39	.0604604	.0633482
37	522. 61	599. 87	.0615509	.0644533
38	551. 51	629. 35	.0626386	.0655556
39	580. 40	658. 83	.0637235	.0666553
40	609. 29	688. 31	.0648057	.0677522
41	638. 18	717. 80	.0658852	.0688465
42	667. 07	747. 29	.0669619	.0699381
43	695. 96	776. 78	.0680360	.0710270
44	724. 85	806. 28	.0691074	.0721133
45	753. 74	835. 78	.0701761	.0731969
46	782. 63	865. 28	.0712421	.0742779
47	811. 51	894. 78	.0723055	.0753563
48	840. 40	924. 28	.0733663	.0764321
49	869. 28	953. 78	.0744244	.0775053
50	898. 16	983. 28	.0754799	.0785760
51	927. 04	12012. 79	.0765329	.0796441
52	955. 93	12042. 30	.0775832	.0807096
53	981. 81	12071. 81	.0786310	.0817726
54	12013. 68	12101. 32	.0796762	.0828331
55	12042. 56	12130. 84	.0807189	.0838911
56	12071. 44	12160. 36	.0817590	.0849466
57	12100. 31	12189. 88	.0827966	.0859996
58	12129. 19	12219. 40	.0838317	.0870501
59	12158. 06	12248. 93	.0848643	.0880981
60	12186. 93	12278. 46	.0858945	.0891438

83. Grad.

	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99357.18	877688.74	9.9971993	10.9433405
29	99353.88	875424.61	9.9971849	10.9422187
28	99350.58	873171.98	9.9971704	10.9410998
27	99347.27	870930.77	9.9971559	10.9399836
26	343.95	68700.88	.9971414	.9388703
25	340.62	66482.23	.9971268	.9377597
24	337.28	64274.75	.9971122	.9366518
23	333.93	62078.33	.9970976	.9355467
22	330.57	59892.90	.9970829	.9344444
21	327.20	57718.38	.9970682	.9333447
20	323.83	55554.68	.9970535	.9322478
19	320.45	53401.72	.9970387	.9311535
18	317.06	51259.43	.9970239	.9300619
17	313.66	49127.72	.9970090	.9289730
16	99310.25	47006.51	.9969941	.9278867
15	306.84	44895.73	.9969792	.9268031
14	303.42	42795.31	.9969642	.9257221
13	299.99	40705.15	.9969492	.9246437
12	296.55	38625.19	.9969342	.9235679
11	293.10	36555.36	.9969191	.9224947
10	289.64	34495.57	.9969040	.9214240
9	286.17	32445.77	.9968888	.9203559
8	282.70	30405.86	.9968736	.9192904
7	279.22	28375.79	.9968584	.9182274
6	275.73	26355.47	.9968431	.9171669
5	272.23	24344.85	.9968278	.9161089
4	268.72	22343.84	.9968125	.9150534
3	265.21	20352.39	.9967971	.9140004
2	261.69	18370.41	.9967817	.9129499
1	258.16	16397.86	.9967662	.9119019
0	254.62	14434.64	.9967507	.9108562

7. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	12186.93	12278.46	9.0858945	9.0891438
1	12215.81	12307.99	9.0869221	9.0901869
2	12244.68	12337.52	9.0879473	9.0912277
3	12273.55	12367.05	9.0889700	9.0922660
4	302.41	396.58	.0899903	.0933020
5	331.28	426.12	.0910082	.0943355
6	360.15	455.66	.0920237	.0953669
7	389.01	485.20	.0930367	.0963955
8	417.88	514.74	.0940474	.0974219
9	446.74	544.29	.0950556	.0984460
10	475.60	573.84	.0960615	.0994678
11	504.46	603.39	.0970651	.1004872
12	533.32	632.94	.0980662	.1015044
13	562.18	662.49	.0990651	.1025192
14	591.04	692.05	.1000616	.1035317
15	619.90	721.61	.1010558	.1045420
16	648.75	751.17	. 20477	.1055500
17	677.61	780.73	. 30373	.1065557
18	706.46	810.29	. 40246	.1075591
19	735.31	839.86	. 50096	.1085604
20	764.16	869.43	. 59924	.1095594
21	793.01	899.00	. 69729	.1105562
22	821.86	928.57	. 79512	.1115508
23	850.71	958.15	. 89272	.1125431
24	879.56	987.73	. 99010	. 35333
25	908.41	13017.31	.1108726	. 45213
26	937.25	13046.89	. 18420	. 55072
27	966.09	076.48	. 28092	. 64909
28	994.94	106.07	. 37742	. 74724
29	13023.78	135.66	. 47370	9.1184518
30	13052.62	165.25	. 56977	. 94291

Min.	82. Grad			
	Sinus.	Tang.	Log. Sin	Log. Tang.
60	99254. 62	814434.64	9.9967507	10.9108562
59	99251. 07	812480. 71	9.9967352	10.9098131
58	99247. 51	810535.99	9.9967196	10.9087723
57	99243. 94	808600.42	9.9967040	10.9077340
56	240. 36	806673.94	.9966884	.9066980
55	236. 78	804756.47	.9966727	.9056645
54	233. 19	802847.96	.9966570	.9046333
53	229. 59	800948.35	.9966412	.9036045
52	225. 98	799057.56	.9966254	.9025781
51	222. 36	797175.55	.9966096	.9015540
50	218. 74	795302.24	.9965937	.9005322
49	215. 11	793437.58	.9965778	.8995128
48	211. 47	791581.51	.9965619	.8984956
47	207. 82	789733.96	.9965459	.8974808
46	204. 16	787894.89	.9965299	.8964683
45	200. 49	786064.23	.9965138	.8954580
44	196. 81	784241.91	.9964977	.8944500
43	193. 13	782427.90	.9964816	.8934443
42	189. 44	780622.12	.9964655	.8924406
41	185. 74	778824.53	.9964493	.8914396
40	182. 03	777035.06	.9964330	.8904406
39	178. 31	775253.66	.9964167	.8894438
38	174. 59	773480.28	.9964004	. 84492
37	170. 86	771714.86	.9963841	. 74569
36	167. 12	769957.35	.9963677	. 64667
35	163. 37	768207.69	.9963513	. 54787
34	159. 61	766465.84	.9963348	. 44928
33	155. 84	764731.74	.9963183	. 35091
32	152. 06	763005.33	.9963018	. 25276
31	148. 28	761286.57	.9962852	. 15482
30	144. 49	759575.41	.9962686	. 05709

Min.	7. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	13052.62	13165.25	9.1156977	9.1194291
31	13081.46	13194.84	9.1166562	9.1204043
32	13110.30	13224.44	9.1176125	9.1213773
33	13139.13	13254.04	9.1185667	9.1223482
34	167.97	283.64	.1195188	.1233171
35	196.81	313.24	.1204688	.1242839
36	225.64	342.85	.1214167	.1252486
37	254.47	372.46	.1223624	.1262112
38	283.30	402.07	.1233061	.1271718
39	312.13	431.68	.1242477	.1281303
40	340.96	461.29	.1251872	.1290868
41	369.79	490.91	.1261246	.1300413
42	398.62	520.53	.1270600	.1309937
43	427.44	550.15	.1279934	.1319442
44	456.27	579.77	.1289247	.1328926
45	485.09	609.40	.1298539	.1338391
46	513.92	639.03	.1307812	.1347835
47	542.74	668.66	.1317064	.1357260
48	571.56	698.29	.1326297	.1366665
49	600.38	727.93	.1335509	.1376051
50	629.19	757.57	.1344702	.1385417
51	658.01	787.21	.1353875	.1394764
52	686.83	816.85	.1363028	.1404092
53	715.64	846.50	.1372161	.1413400
54	744.45	876.15	.1381275	.1422689
55	773.27	905.80	.1390370	.1431959
56	802.08	935.45	.1399445	.1441210
57	830.89	965.10	.1408501	.1450442
58	859.70	994.76	.1417537	.1459655
59	888.50	14024.42	.1426555	.1468850
60	917.31	14054.08	.1435553	.1478025

Min.	82. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	99144.49	759575.41	9.9962686	10.8805709
29	99140.69	757871.79	9.9962519	10.8795957
28	99136.88	756175.67	9.9962352	10.8786227
27	99133.06	754486.99	9.9962185	10.8776518
26	129.23	752805.71	.9962017	.8766829
25	125.39	751131.78	.9961849	.8757161
24	121.55	749465.14	.9961681	.8747514
23	117.70	747805.76	.9961512	.8737888
22	113.84	746153.57	.9961343	.8728282
21	109.97	744508.55	.9961174	.8718697
20	106.09	742870.64	.9961004	.8709132
19	102.21	741239.78	.9960834	.8699587
18	098.32	739615.95	.9960663	.8690063
17	094.42	737999.09	.9960492	.8680558
16	090.51	736389.16	.9960321	.8671074
15	086.59	734786.10	.9960149	.8661609
14	082.66	733189.89	.9959977	.8652165
13	078.72	731600.47	.9959804	.8642740
12	074.78	730017.80	.9959631	.8633335
11	070.83	728441.84	.9959458	.8623949
10	066.87	726872.55	.9959284	.8614583
9	062.90	725309.87	.9959111	.8605236
8	058.92	723753.78	.9958936	.8595908
7	054.93	722204.22	.9958761	.8586600
6	050.94	720661.16	.9958586	.8577311
5	046.94	719124.56	.9958411	.8568041
4	042.93	717594.37	.9958235	.8558790
3	038.91	716070.56	.9958059	.8549558
2	034.88	714553.08	.9957882	.8540345
1	030.84	713041.90	.9957705	.8531150
0	026.80	711536.97	.9957528	.8521975

8. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	13917.31	14054.08	9.1435553	9.1478025
1	13946.12	14083.74	9.1444532	9.1487182
2	13974.92	14113.41	9.1453493	9.1496321
3	14003.72	14143.08	9.1462435	9.1505441
4	032.52	172.75	. 71358	. 14543
5	061.32	202.43	. 80262	. 23627
6	090.12	232.11	. 89148	. 32692
7	118.92	261.79	. 98015	. 41739
8	147.72	291.47	.1506864	. 50769
9	176.51	321.15	.1515694	. 59780
10	205.31	350.84	. 24507	. 68773
11	234.10	380.53	. 33301	. 77748
12	262.89	410.22	. 42076	. 86706
13	291.68	439.91	. 50834	. 95646
14	320.47	469.61	. 59574	.1604569
15	349.26	499.31	. 68296	.1613473
16	378.05	529.01	. 77000	. 22361
17	406.84	558.71	. 85686	. 31231
18	435.62	588.42	. 94354	. 40083
19	464.40	618.13	.1603005	. 48919
20	493.19	647.84	.1611639	. 57737
21	521.97	677.55	.1620254	. 66538
22	550.75	707.27	. 28853	. 75322
23	579.53	736.99	. 37434	. 84089
24	608.30	766.71	. 45998	. 92839
25	637.08	796.44	. 54544	.1701572
26	665.85	826.17	. 63074	. 10289
27	694.63	855.90	. 71586	. 18989
28	723.40	885.63	. 80081	. 27672
29	752.17	915.36	. 88559	. 36338
30	780.94	945.10	. 97021	. 44988

Min.	81. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	99026.80	711536.97	9.9957528	10.8521975
59	99022.75	710038.26	9.9957350	10.8512818
58	99018.69	708545.73	9.9957172	10.8503679
57	99014.62	707059.34	9.9956993	10.8494559
56	99010.54	705579.05	.9956815	.8485457
55	99006.45	704104.82	.9956635	.8476373
54	99002.36	702636.62	.9956456	.8467308
53	98998.26	701174.41	.9956276	.8458261
52	98994.15	699718.06	.9956095	.8449231
51	990.03	698267.81	.9955915	.8440220
50	985.90	696823.35	.9955734	.8431227
49	981.76	695384.73	.9955552	.8422252
48	977.62	693951.92	.9955370	.8413294
47	973.47	692524.89	.9955188	.8404354
46	969.31	691103.59	.9955005	.8395431
45	965.14	689687.99	.9954822	.8386527
44	960.96	688278.07	.9954639	.8377639
43	956.77	686873.78	.9954455	.8368769
42	952.57	685475.08	.9954271	.8359917
41	948.37	684081.96	.9954087	.8351081
40	944.16	682694.37	.9953902	.8342263
39	939.94	681312.27	.9953717	.8333462
38	935.71	679935.65	.9953531	.8324678
37	931.47	678564.46	.9953345	.8315911
36	927.23	677198.67	.9953159	.8307161
35	922.98	675838.26	.9952972	.8298428
34	918.72	674483.18	.9952785	.8289711
33	914.45	673133.41	.9952597	.8281011
32	910.17	671788.91	.9952409	.8272328
31	905.88	670449.66	.9952221	.8263662
30	901.58	669115.62	.9952033	.8255012

8. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	14780. 94	14945. 10	9.1697021	9.1744988
31	14809. 71	14974. 84	9.1705465	9.1753622
32	14838. 48	15004. 58	9.1713893	9.1762239
33	14867. 24	15034. 33	9.1722305	9.1770840
34	14896. 01	064. 08	.1730699	.1779425
35	14924. 77	093. 83	.1739077	.1787993
36	14953. 53	123. 58	.1747439	.1796546
37	14982. 30	153. 33	.1755784	.1805082
38	15011. 06	183. 09	.1764112	.1813602
39	15039. 81	212. 85	.1772425	.1822106
40	068. 57	242. 61	.1780721	.1830595
41	097. 33	272. 38	.1789001	.1839068
42	126. 08	302. 15	.1797265	.1847525
43	154. 84	331. 92	.1805512	.1855966
44	183. 59	361. 89	.1813744	.1864392
45	212. 34	391. 47	.1821960	.1872802
46	241. 09	421. 25	.1830160	.1881196
47	269. 84	451. 03	.1838344	.1889575
48	298. 58	480. 82	.1846512	.1897939
49	327. 33	510. 61	.1854665	.1906287
50	356. 07	540. 40	.1862802	.1914621
51	384. 82	570. 19	.1870923	.1922939
52	413. 56	599. 98	.1879029	.1931241
53	442. 30	629. 78	.1887120	.1939529
54	471. 04	659. 58	.1895195	.1947802
55	499. 78	689. 39	.1903254	.1956059
56	528. 51	719. 19	.1911299	.1964302
57	557. 25	749. 00	.1919328	.1972530
58	585. 98	778. 81	.1927341	.1980743
59	614. 72	808. 62	.1935341	.1988941
60	643. 45	838. 44	.1943324	.1997125

81 Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	98901.58	669115.62	9.9952033	10.8255012
29	98897.28	667786.77	9.9951844	10.8246378
28	98892.97	666463.07	9.9951654	10.8237761
27	98888.65	660930.49	9.9951464	10.8229260
26	884.32	663831.06	.9951274	.8220575
25	879.98	662522.58	.9951084	.8212007
24	875.63	661219.19	.9950893	.8203454
23	871.28	659920.80	.9950702	.8194918
22	866.92	658627.39	.9950510	.8186398
21	862.55	657338.92	.9950318	.8177894
20	858.17	656055.38	.9950126	.8169405
19	853.78	654776.72	.9949933	.8160932
18	849.38	653502.93	.9949740	.8152475
17	844.98	652233.96	.9949546	.8144034
16	840.57	650969.81	.9949352	.8135608
15	836.15	649710.43	.9949158	.8127198
14	831.72	648455.81	.9948964	.8118804
13	827.28	647205.91	.9948769	.8110425
12	822.83	645960.70	.9948573	.8102061
11	818.38	644720.17	.9948377	.8093713
10	813.92	643484.28	.9948181	.8085379
9	809.45	642253.01	.9947985	.8077061
8	804.97	641026.33	.9947788	.8068759
7	800.48	639804.22	.9947591	.8060471
6	795.98	638586.65	.9947393	.8052198
5	791.48	637373.59	.9947195	.8043941
4	786.97	636165.02	.9946997	.8035698
3	782.45	634960.92	.9946798	.8027470
2	777.92	633761.26	.9946599	.8019257
1	773.38	632566.01	.9946399	.8011059
0	768.83	631375.15	.9946199	.8002875

9. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	15643.45	15838.44	9.1943324	9.1997125
1	15672.18	15868.26	9.1951293	9.2005294
2	15700.91	15898.08	9.1959247	9.2013449
3	15729.63	15927.91	9.1967186	9.2021588
4	15758.36	15957.74	.1975110	.2029714
5	15787.08	15987.57	.1983019	.2037825
6	15815.81	16017.40	.1990913	.2045922
7	844.53	16047.24	.1998793	.2054004
8	873.25	077.08	.2006658	.2062072
9	901.97	106.92	.2014509	.2070126
10	930.69	136.77	.2022345	.2078165
11	959.40	166.62	.2030167	.2086191
12	988.12	196.47	.2037974	.2094203
13	16016.83	226.32	.2045766	.2102200
14	16045.55	256.17	.2053545	.2110184
15	16074.26	286.03	.2061309	.2118153
16	102.97	315.89	.2069059	.2126109
17	131.67	345.76	.2076795	.2134051
18	160.38	375.63	.2084516	.2141980
19	189.09	405.50	.2092224	.2149894
20	217.79	435.37	.2699917	.2157795
21	246.50	465.25	.2107597	.2165683
22	275.20	495.13	.2115263	.2173556
23	303.90	525.01	.2122914	.2181417
24	332.60	554.89	.2130552	.2189264
25	361.29	584.78	.2138176	.2197097
26	389.99	614.67	.2145787	.2204917
27	418.68	644.56	.2153384	.2212724
28	447.38	674.46	.2160967	.2220518
29	476.07	704.36	.2168536	.2228298
30	504.76	734.26	.2176092	.2236065

Min.	80. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	98768.83	631375.15	9.9946199	10.8002875
59	98764.28	630188.66	9.9945999	10.7994706
58	98759.72	629006.51	9.9945798	10.7986551
57	98755.15	627828.68	9.9945597	10.7978411
56	750.57	626655.14	.9945396	.7970286
55	745.98	625485.88	.9945194	.7962175
54	741.38	624320.86	.9944992	.7954078
53	736.77	623160.07	.9944789	.7945996
52	732.16	622003.47	.9944587	.7937928
51	727.54	620851.06	.9944383	.7929874
50	722.91	619702.79	.9944180	.7921835
49	718.27	618558.67	.9943975	.7913809
48	713.62	617418.65	.9943771	.7905797
47	708.97	616282.72	.9943566	.7897800
46	704.31	615150.85	.9943361	.7889816
45	699.64	614023.03	.9943156	.7881847
44	694.96	612899.23	.9942950	.7873891
43	690.27	611779.43	.9942743	.7865949
42	685.57	610663.60	.9942537	.7858020
41	680.86	609551.74	.9942330	.7850106
40	676.15	608443.81	.9942122	.7842205
39	671.43	607339.79	.9941914	.7834317
38	666.70	606239.67	.9941706	.7826444
37	661.96	605143.43	.9941498	.7818583
36	657.21	604051.03	.9941289	.7810736
35	652.46	602962.47	.9941079	.7802903
34	647.70	601877.72	.9940870	.7795083
33	642.93	600796.76	.9940659	.7787276
32	638.15	599719.57	.9940449	.7779482
31	633.36	598646.14	.9940238	.7771702
30	628.56	597576.44	.9940027	.7763935

9. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	16504. 76	16734. 26	9.2176092	9.2236065
31	16533. 45	16764. 16	9.2183635	9.2243819
32	16562. 14	16794. 07	9.2191164	9.2251561
33	16590. 82	16823. 98	9.2198680	9.2259289
34	619. 51	853. 89	.2206182	.2267004
35	648. 19	883. 81	. 13671	.2274706
36	676. 87	913. 73	. 21147	.2282395
37	705. 55	943. 65	. 28609	.2290071
38	734. 23	973. 58	. 36059	.2297735
39	762. 91	17003. 51	. 43495	.2305386
40	791. 59	17033. 44	. 50918	.2313024
41	820. 26	17063. 37	. 58328	.2320650
42	848. 94	093. 31	. 65725	.2328262
43	877. 61	123. 25	. 73110	.2335863
44	906. 28	153. 19	. 80481	.2343451
45	934. 95	183. 14	. 87839	.2351026
46	963. 62	213. 09	. 95185	.2358589
47	992. 28	243. 04	.2302518	.2366139
48	17020. 95	273. 00	.2309838	.2373678
49	17049. 61	302. 96	. 17145	.2381203
50	17078. 28	332. 92	. 24440	.2388717
51	106. 94	362. 88	. 31722	.2396218
52	135. 60	392. 85	. 38992	.2403708
53	164. 25	422. 82	. 46249	.2411185
54	192. 91	452. 79	. 53494	.2418650
55	221. 56	482. 77	. 60726	.2426103
56	250. 22	512. 75	. 67946	.2433543
57	278. 87	542. 73	. 75153	.2440972
58	307. 52	572. 72	. 82349	.2448389
59	336. 17	602. 71	. 89532	.2455794
60	364. 82	632. 70	. 96702	.2463188

80. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	98628.56	597576.44	9.9940027	10.7763935
29	98623.75	596510.45	9.9939815	10.7756181
28	98618.94	595448.15	9.9939603	10.7748439
27	98614.12	594389.52	9.9939391	10.7740711
26	609.29	593334.55	.9939178	.7732996
25	604.45	592283.22	.9938965	.7725294
24	599.60	591235.50	.9938752	.7717605
23	594.74	590191.38	.9938538	.7709929
22	589.88	589150.84	.9938324	.7702265
21	585.01	588113.86	.9938109	.7694614
20	580.13	587080.42	.9937894	.7686976
19	575.24	586050.51	.9937679	.7679350
18	570.34	585024.10	.9937463	.7671738
17	565.44	584001.17	.9937247	.7664137
16	560.53	582981.72	.9937030	.7656549
15	555.61	581965.72	.9936813	.7648974
14	550.68	580953.15	.9936596	.7641411
13	545.74	579944.00	.9936378	.7633861
12	540.79	578938.25	.9936160	.7626322
11	535.83	577935.88	.9935942	.7618797
10	530.87	576936.88	.9935723	.7611283
9	525.90	575941.22	.9935504	.7603782
8	520.92	574948.89	.9935285	.7596292
7	515.93	573959.88	.9935065	.7588815
6	510.93	572974.16	.9934844	.7581350
5	505.92	571991.73	.9934624	.7573897
4	500.91	571012.56	.9934403	.7566457
3	495.89	570036.63	.9934181	.7559028
2	490.86	569063.94	.9933959	.7551611
1	485.82	568094.46	.9933737	.7544206
0	480.77	567128.18	.9933515	.7536812

10. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	17364. 82	17632. 70	9.2396702	9.2463188
1	17393. 46	17662. 69	9.2403861	9.2470569
2	17422. 11	17692. 60	9.2411007	9.2477939
3	17450. 75	17722. 69	9.2418141	9.2485297
4	479. 39	752. 69	.2425264	.2492643
5	508. 03	782. 70	.2432374	.2499978
6	536. 67	812. 71	.2439472	.2507301
7	565. 31	842. 72	.2446558	.2514612
8	593. 95	872. 74	.2453632	.2521912
9	622. 58	902. 76	.2460695	.2529200
10	651. 21	932. 78	.2467746	.2536477
11	679. 84	962. 81	.2474784	.2543743
12	708. 47	992. 84	.2481811	.2550997
13	737. 10	18022. 87	.2488827	.2558240
14	765. 73	18052. 91	.2495830	.2565472
15	794. 35	18082. 95	.2502822	.2572691
16	822. 98	112. 99	.2509803	.2579901
17	851. 60	143. 03	.2516772	.2587099
18	880. 22	173. 08	.2523729	.2594285
19	908. 84	203. 13	.2530675	.2601461
20	937. 46	233. 18	.2537609	.2608625
21	966. 07	263. 24	.2544532	.2615779
22	994. 69	293. 30	.2551444	.2622921
23	18023. 30	323. 36	.2558344	.2630053
24	18051. 91	353. 43	.2565233	.2637173
25	080. 52	383. 50	.2572110	.2644283
26	109. 13	413. 57	.2578977	.2651382
27	137. 74	443. 65	.2585833	.2658470
28	166. 35	473. 73	.2592676	.2665547
29	194. 95	503. 81	.2599509	.2672613
30	223. 55	533. 90	.2606330	.2679669

79. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	98480.77	567128.18	9.9933515	10.7536812
59	98475.71	566165.09	9.9933292	10.7529431
58	98470.65	565205.16	9.9933068	10.7522061
57	98465.58	564248.38	9.9932845	10.7514703
56	460.50	563294.74	.9932621	.7507357
55	455.41	562344.21	.9932396	.7500022
54	450.31	561396.80	.9932171	.7492699
53	445.21	560452.47	.9931946	.7485388
52	440.10	559511.21	.9931720	.7478088
51	434.98	558573.02	.9931494	.7470800
50	429.85	557637.86	.9931268	.7463523
49	424.71	556705.74	.9931041	.7456257
48	419.56	555776.63	.9930814	.7449003
47	414.40	554850.52	.9930587	.7441760
46	409.24	553927.40	.9930359	.7434528
45	404.07	553007.24	.9930131	.7427308
44	398.89	552090.05	.9929902	.7420099
43	393.70	551175.79	.9929673	.7412901
42	388.50	550264.46	.9929444	.7405715
41	383.29	549356.04	.9929214	.7398539
40	378.08	548450.52	.9928984	.7391375
39	372.86	547547.88	.9928753	.7384221
38	367.63	546648.12	.9928522	.7377079
37	362.39	545751.21	.9928291	.7369947
36	357.14	544857.15	.9928059	.7362827
35	351.89	543965.92	.9927827	.7355717
34	346.63	543077.50	.9927595	.7348618
33	341.36	542191.88	.9927362	.7341530
32	336.08	541309.06	.9927129	.7334453
31	330.79	540429.01	.9926895	.7327387
30	325.49	539551.72	.9926661	.7320331

Min.	10. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	18223.55	18533.90	9.2606330	9.2679669
31	18252.15	18563.99	9.2613141	9.2686714
32	18280.75	18594.08	9.2619941	9.2693749
33	18309.35	18624.18	9.2626729	9.2700772
34	337.95	18654.28	.2633507	.2707786
35	366.54	18684.38	.2640274	.2714788
36	395.13	18714.49	.2647030	.2721750
37	423.73	18744.60	.2653775	.2728762
38	452.32	18774.71	.2660509	.2735733
39	480.91	18804.83	.2667232	.2742694
40	509.49	18834.95	.2673945	.2749644
41	538.08	18865.07	.2680647	.2756584
42	566.66	18895.20	.2687338	.2763514
43	595.24	18925.33	.2694019	.2770434
44	623.82	18955.46	.2700689	.2777343
45	652.40	18985.59	.2707348	.2784242
46	680.98	19015.73	.2713997	.2791131
47	709.56	19045.87	.2720635	.2798009
48	738.13	19076.02	.2727263	.2804878
49	766.70	19106.17	.2733880	.2811736
50	795.27	19136.32	.2740487	.2818585
51	823.84	19166.48	.2747083	.2825423
52	852.41	19196.64	.2753669	.2832251
53	880.98	19226.80	.2760245	.2839070
54	909.54	19256.96	.2766811	.2845878
55	938.11	19287.13	.2773366	.2852677
56	966.67	19317.30	.2779911	.2859466
57	995.23	19347.48	.2786445	.2866245
58	19023.79	19377.66	.2792970	.2873014
59	19052.34	19407.84	.2799484	.2879773
60	19080.90	19438.03	.2805988	.2886523

79. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	98325.49	539551.72	9.9926661	10.7320331
29	98320.18	538677.18	9.9926427	10.7313286
28	98314.87	537805.38	9.9926192	10.7306251
27	98309.55	536936.30	9.9925957	10.7299228
26	304.22	536069.93	.9925722	.7292214
25	298.88	535206.26	.9925486	.7285212
24	293.53	534345.27	.9925250	.7278220
23	288.17	533486.96	.9925013	.7271238
22	282.81	532631.31	.9924776	.7264267
21	277.44	531778.30	.9924539	.7257306
20	272.06	530927.93	.9924301	.7250356
19	266.67	530080.18	.9924063	.7243416
18	261.27	529235.05	.9923824	.7236486
17	255.87	528392.51	.9923585	.7229566
16	250.46	527552.55	.9923346	.7222657
15	245.04	526715.17	.9923106	.7215758
14	239.61	525880.35	.9922866	.7208869
13	234.17	525048.09	.9922626	.7201991
12	228.72	524218.36	.9922385	.7195122
11	223.27	523391.16	.9922144	.7188264
10	217.81	522566.47	.9921900	.7181415
9	212.34	521744.28	.9921660	.7174577
8	206.86	520924.59	.9921418	.7167749
7	201.37	520107.38	.9921175	.7160930
6	195.87	519292.64	.9920932	.7154122
5	190.36	518480.35	.9920689	.7147323
4	184.85	517670.51	.9920445	.7140534
3	179.33	516863.11	.9920201	.7133755
2	173.80	516058.13	.9919956	.7126986
1	168.26	515255.57	.9919711	.7120227
0	162.71	514455.40	.9919466	.7113477

11. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	19080.90	19438.03	9.2805988	9.2886523
1	19109.45	19468.22	9.2812483	9.2893263
2	19138.00	19498.41	9.2818967	9.2899993
3	19166.55	19528.61	9.2825441	9.2906713
4	195.10	558.81	.2831905	.2913424
5	223.65	589.01	.2838359	.2920126
6	252.20	619.22	.2844803	.2926817
7	280.74	649.43	.2851237	.2933500
8	309.28	679.64	.2857661	.2940172
9	337.82	709.86	.2864076	.2946836
10	366.36	740.08	.2870480	.2953489
11	394.90	770.30	.2876875	.2960134
12	423.44	800.53	.2883260	.2966769
13	451.97	830.76	.2889636	.2973395
14	480.50	861.00	.2896001	.2980011
15	509.03	891.24	.2902357	.2986618
16	537.56	921.48	.2908704	.2993216
17	566.09	951.72	.2915040	.2999804
18	594.61	981.97	.2921367	.3006383
19	623.14	20012.22	.2927685	.3012954
20	651.66	20042.48	.2933993	.3019514
21	680.18	20072.74	.2940291	.3026066
22	708.70	20103.00	.2946580	.3032609
23	737.22	20133.27	.2952859	.3039143
24	765.73	20163.54	.2959129	.3045667
25	794.25	193.81	.2965390	.3052183
26	822.76	224.09	.2971641	.3058689
27	851.27	254.37	.2977883	.3065187
28	879.78	284.65	.2984116	.3071675
29	908.29	314.94	.2990339	.3078155
30	936.79	345.23	.2996553	.3084626

Min.	78.Grad			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	98162. 71	514455.40	9.9919466	10.7113477
59	98157. 16	513657.63	9.9919220	10.7106737
58	98151. 60	512862.24	9.9918974	10.7100007
57	98146. 03	512069.21	9.9918727	10.7093287
56	140. 45	511278.55	.9918480	.7086576
55	134. 86	510490 24	.9918233	.7079874
54	129. 26	509704.26	.9917986	.7073183
53	123. 66	508920.61	.99 17737	.7066500
52	118. 05	508139.28	.9917489	.7059828
51	112. 43	507360.25	.9917240	.7053164
50	106. 80	506583.52	.9916991	.7046511
49	101. 16	505809.07	.9916741	.7039866
48	095. 51	505036.90	.9916492	.7033231
47	089. 86	504267.00	.9916241	.7026605
46	084. 20	503499.35	.9915990	.7019989
45	078. 53	502733.95	.9915739	.7013382
44	072. 85	501970.78	.9915488	.7006784
43	067. 16	501209.84	.9915236	.7000196
42	061 .46	500451.11	.9914984	.6993617
41	055. 76	499694.59	.9914731	.6987046
40	050. 05	498940.27	.9914478	.6980486
39	044. 33	498188.13	.9914225	.6973934
38	038. 60	497438.17	.9913971	.6967391
37	032. 86	496690.37	.9913717	.6960857
36	027. 11	495944.74	.9913462	.6954333
35	021. 36	495201.25	.9913207	.6947817
34	015. 60	494459.90	.9912952	.6941311
33	009. 83	493720.68	.9912696	.6934813
32	004. 05	492983.58	.9912440	.6928325
31	97998. 26	492248.59	.9912184	.6921845
30	97992.47	491515.70	.9911927	.6915374

11. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	19936 79	20345. 23	9. 2996553	9.3084626
31	19965.30	20375.52	9.3002758	9.3091088
32	19993.80	20405.82	9.3008953	9.3097541
33	20022.30	20436.12	9.3015140	9.3103985
34	050. 80	466. 43	.3021317	.3110421
35	079.30	496. 74	.3027485	.3116848
36	107. 79	527. 05	.3033644	.3123266
37	136. 29	557. 37	.3039794	.3129675
38	164.78	587. 69	.3045934	.3136076
39	193. 27	618. 01	.3052066	.3142468
40	221. 76	648. 34	.3058189	.3148851
41	250. 24	678. 67	.3064303	.3155226
42	278. 73	709. 00	.3070407	.3161592
43	307. 21	739. 34	.3076503	.3167950
44	335. 69	769. 68	.3082590	.3174299
45	364. 17	800. 03	.3088668	.3180640
46	392. 65	830. 38	.3094737	.3186972
47	421. 13	860. 73	.3100798	.3193295
48	449. 61	891. 09	.3106849	.3199611
49	478. 08	921. 45	.3112892	.3205918
50	506. 55	951. 81	.3118926	.3212216
51	535. 02	982. 18	.3124951	.3218506
52	563. 49	21012. 55	.3130968	.3224788
53	591. 95	21042. 93	.3136976	.3231061
54	620. 42	21073. 31	.3142975	.3237327
55	648. 88	103. 69	.3148965	.3243584
56	677. 34	134. 07	.3154947	.3249832
57	705. 80	164. 46	.3160921	.3256073
58	734. 26	194. 85	.3166885	.3262305
59	762. 71	225. 25	.3172841	.3268529
60	791. 17	255. 65	.3178789	.3274745

78. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	97992.47	491515.70	9.9911927	10.6915374
29	97986.67	490784.91	9.9911670	10.6908912
28	97980.86	490056.20	9.9911412	10.6902459
27	97975.04	489329.56	9.9911154	10.6896015
26	969.21	488604.99	. 10896	.6889579
25	963.37	7882.48	. 10637	. 83152
24	957.52	7162.01	. 10378	. 76734
23	951.67	6443.59	. 10119	. 70325
22	945.81	5727.19	. 09859	. 63924
21	939.94	5012.82	. 09598	. 57532
20	934.06	4300.45	. 09338	. 51149
19	928.17	3590.10	. 09077	. 44774
18	922.28	2881.74	. 08815	. 38408
17	916.38	2175.36	. 08553	. 32050
16	910.47	1470.96	. 08291	. 25701
15	904.55	0768.54	. 08029	. 19360
14	898.62	0068.08	. 07766	. 13028
13	892.68	9369.57	. 07502	. 06705
12	886.74	478673.00	. 07239	. 00389
11	880.79	477978.37	. 06974	.6794082
10	874.83	7285.67	. 06710	.6787784
9	868.86	6594.90	. 06445	.6781494
8	862.88	5906.03	. 06180	. 75212
7	856.89	5219.07	. 05914	. 68939
6	850.90	4534.01	. 05648	. 62673
5	844.90	3850.83	. 05382	. 56416
4	838.89	3169.54	. 05115	. 50168
3	832.87	2490.12	. 04848	. 43927
2	826.84	1812.56	. 04580	. 37695
1	820.80	471136.86	. 04312	. 31471
0	814.76	0463.01	. 04044	. 25159

12. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	20791.17	21255.65	9.3178789	9.3274745
1	20819.62	21286.06	9.3184728	9.3280953
2	20848.07	21316.47	9.3190659	9.3287153
3	20876.52	21346.88	9.3196581	9.3293345
4	20904.97	377.30	.3202495	.3299528
5	20933.41	407.72	.3208400	.3305704
6	20961.86	438.14	.3214297	.3311872
7	20990.30	468.57	.3220186	.3318031
8	21018.74	499.00	.3226066	.3324183
9	21047.18	529.44	.3231938	.3330327
10	075.61	559.88	.3237802	.3336463
11	104.05	590.32	.3243657	.3342591
12	132.48	620.77	.3249505	.3348711
13	160.91	651.22	.3255344	.3354823
14	189.34	681.67	.3261174	.3360927
15	217.77	712.13	.3266997	.3367024
16	246.19	742.59	.3272811	.3373113
17	274.62	773.06	.3278617	.3379194
18	303.04	803.53	.3284416	.3385267
19	331.46	834.00	.3290206	.3391333
20	359.88	864.48	.3295988	.3397391
21	388.29	894.96	.3301761	.3403441
22	416.71	925.44	.3307527	.3409484
23	445.12	955.93	.3313285	.3415519
24	473.53	986.42	.3319035	.3421546
25	501.94	22016.92	.3324777	.3427566
26	530.35	22047.42	.3330511	.3433578
27	558.76	22077.93	.3336237	.3439583
28	587.16	22108.44	.3341955	.3445580
29	615.56	22138.95	.3347665	.3451570
30	643.96	22169.47	.3353368	.3457552

77. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	97814.76	470463.01	9.9904044	10.6725255
59	97808.71	469791.00	9.9903775	10.6719047
58	97802.65	469120.83	9.9903506	10.6712847
57	97796.58	468452.48	9.9903237	10.6706655
56	97790.50	467785.95	.9902967	.6700472
55	97784.41	467121.24	.9902697	.6694296
54	97778.32	466458.32	.9902426	.6688128
53	97772.22	465797.21	.9902155	.6681969
52	97766.11	465137.88	.9961883	.6675817
51	97759.99	464480.34	.9901612	.6669673
50	97753.86	463824.57	.9901339	.6663537
49	97747.73	463170.56	.9901067	.6657409
48	97741.59	462518.32	.9900704	.6651289
47	97735.44	461867.83	.9900521	.6645177
46	97729.28	461219.08	.9900247	.6639073
45	97723.11	460572.07	.9899973	.6632976
44	97716.93	459926.80	.9899698	.6626887
43	97710.75	459283.25	.9899423	.6620806
42	97704.56	458641.41	.9899148	.6614733
41	97698.36	458001.29	.9898873	.6608667
40	97692.15	457362.87	.9898597	.6602609
39	97685.93	456726.14	.9898320	.6596559
38	97679.70	456091.11	.9898043	.6590516
37	97673.47	455457.76	.989 766	.6584481
36	97667.23	454826.08	.9897489	.6578454
35	97660.98	454196.08	.9897211	.6572434
34	97654.72	453567.73	.9896932	.6566422
33	97648.45	452941.05	.9896654	.6560417
32	97642.17	452316.31	.9896374	.6554420
31	97635 89	451692.61	.9896095	.6548430
30	97629.60	451070.85	.9895815	.6542448

Min.	12. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	21643. 96	22169. 47	9.3353368	9.3457552
31	21672. 36	22199. 99	9.3359062	9.3463527
32	21700. 76	22230. 51	9.3364749	9.3469494
33	21729. 15	22261. 04	9.3370428	9.3475454
34	757. 54	291. 57	. 76099	. 81407
35	785. 93	322. 11	. 81762	. 87352
36	814. 32	352. 65	. 87418	. 93290
37	842. 71	383. 19	. 93065	. 99220
38	871. 10	413. 74	. 98706	.3505143
39	899. 48	444. 29	.3404338	.3511059
40	927. 86	474. 85	.3409963	.3516968
41	956. 24	505. 41	.3415580	. 22869
42	984. 62	535. 97	.3421190	. 28763
43	22013. 00	566. 54	. 26792	. 34650
44	22041. 37	597. 11	. 32386	. 40530
45	22069. 74	627. 69	. 37973	. 46402
46	098. 11	658. 27	. 43552	. 52267
47	126. 48	688. 85	. 49124	. 58120
48	154. 85	719. 44	. 54688	. 63977
49	183. 21	750. 03	. 60245	. 69821
50	211. 58	780. 63	. 65794	9.3575658
51	239. 94	811. 23	. 71336	. 81487
52	268. 30	841. 83	. 76870	. 87310
53	296. 66	872. 44	. 82397	. 93126
54	325. 01	903. 05	. 87917	. 98935
55	353. 37	933. 67	. 93429	.3604736
56	381. 72	964. 29	. 98934	.3610531
57	410. 07	994. 92	.3504432	.3616319
58	438. 41	23025. 55	.3509922	. 22100
59	466. 76	23056. 18	.3515405	. 27874
60	495. 11	23086. 82	.3520880	. 33641

Min.	77. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	97629.60	451070.85	9.9895815	10.6542448
29	97623.30	450450.72	9.9895535	10.6536473
28	97616.99	449832.21	9.9895254	10.6530506
27	97610.67	449215.32	9.9894973	10.6524546
26	604.35	448600.04	. 94692	.6518593
25	598.02	7986.36	. 94410	.6512648
24	591.68	7374.28	. 94128	.6506710
23	585.33	6763.79	. 93845	.6500780
22	578.97	6154.89	. 93562	.6494857
21	572.60	5547.56	. 93279	.6488941
20	566.23	4941.81	. 92995	.6483032
19	559.85	4337.62	. 92711	. 77131
18	553.46	3734.99	. 92427	. 71237
17	547.06	3133.92	. 92142	. 65350
16	540.65	2534.39	. 91856	. 59470
15	534.23	1936.41	. 91571	. 53598
14	527.81	1339.96	. 91285	. 47733
13	521.38	0745.04	. 90998	. 41874
12	514.94	0151.64	. 90711	. 36023
11	508.49	439559.76	. 90424	. 30179
10	502.03	438969.40	. 90137	. 24342
9	495.56	438380.54	. 89849	. 18513
8	489.09	7793.17	. 89560	. 12690
7	482.61	7207.31	. 89271	. 06874
6	476.12	6622.93	. 88982	. 01065
5	469.62	6040.03	. 88693	.6395264
4	463.11	5458.61	. 88403	.6389469
3	456.60	4878.66	. 88113	.6383681
2	450.08	4300.18	. 87822	.6377900
1	443.55	3723.16	. 87531	.6372126
0	437.01	3147.59	. 87239	.6366359

13. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	22495.11	23086.82	9.3520880	9.3633641
1	22523.45	23117.46	9.3526349	9.3639401
2	22551.79	23148.11	9.3531810	9.3645155
3	22580.13	23178.76	9.3537264	9.3650901
4	608.46	209.41	.3542710	.3656641
5	636.80	240.07	.3548150	.3662374
6	665.13	270.73	.3553582	.3668100
7	693.46	301.40	.3559007	.3673819
8	721.79	332.07	.3564426	.3679532
9	750.12	362.74	.3569836	.3685238
10	778.44	393.42	.3575240	.3690937
11	806.77	424.10	.3580637	.3696629
12	835.09	454.79	.3586027	.3702315
13	863.41	485.48	.3591409	.3707994
14	891.72	516.17	.3596785	.3713667
15	920.04	546.87	.3602154	.3719333
16	22948.35	577.58	.3607515	.3724992
17	22976.66	608.29	.3612870	.3730645
18	23004.97	639.00	.3618217	.3736291
19	23033.28	669.72	.3623558	.3741930
20	23061.59	700.44	.3628892	.3747563
21	23089.89	731.16	.3634219	.3753190
22	118.19	761.89	.3639539	.3758810
23	146.49	792.62	.3644852	.3764423
24	174.79	823.36	.3650158	.3770030
25	203.09	854.10	.3655458	.3775631
26	231.38	884.85	.3660750	.3781225
27	259.67	915.60	.3666036	.3786813
28	287.96	946.35	.3671315	.3792394
29	316.25	977.11	.3676587	.3797969
30	344.54	24007.87	.3681853	.3803537

Min.	76. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	97437.01	433147.59	9.9887239	10.6366359
59	97430.46	432573.47	9.9886947	10.6360599
58	97423.90	432000.79	9.9886655	10.6354845
57	97417.34	431429.55	9.9886363	10.6349099
56	410.77	430859.74	. 86070	.6343359
55	404.19	430291.36	. 85776	.6337626
54	397.60	429724.40	. 85482	.6331900
53	391.00	429158.85	. 85188	.6326181
52	384.39	428594.72	. 84894	.6320468
51	377.78	428031.99	. 84599	.6314762
50	371.16	7470.66	. 84303	.6309063
49	364.53	6910.72	. 84008	.6303371
48	357.89	6352.18	. 83712	.6297685
47	351.24	5795.01	. 83415	.6292006
46	344.58	5239.23	. 83118	.6286333
45	337.92	4684.82	. 82821	.6280667
44	331.25	4131.77	. 82523	.6275008
43	324.57	3580.09	. 82225	.6269355
42	317.88	3029.77	. 81927	.6263709
41	311.18	2480.80	. 81628	.6258070
40	304.48	1933.18	. 81329	.6252437
39	297.77	1386.90	. 81029	.6246810
38	291.05	0841.96	. 80729	.6241190
37	284.32	0298.35	. 80429	.6235577
36	277.58	419756.06	. 80128	.6229970
35	270.84	419215.10	. 79827	.6224369
34	264.09	8675.46	. 79525	.6218775
33	257.33	8137.13	. 79223	.6213187
32	250.56	7600.11	. 78921	.6207606
31	243.78	7064.40	. 78618	.6202031
30	236.99	6529.98	. 78315	.6196463

13. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	23344.54	24007.87	9.3681853	9.3803537
31	23372.82	24038.64	9.3687111	9.3809100
32	23401.10	24069.41	9.3692363	9.3814655
33	23429.38	24100.19	9.3697608	9.3820205
34	457.66	130.97	.3702847	. 25748
35	485.94	161.76	.3708079	. 31285
36	514.21	192.55	.3713304	. 36816
37	542.48	223.34	. 18523	. 42340
38	570.75	254.14	. 23735	. 47858
39	599.02	284.94	. 28940	. 53370
40	627.29	315.75	. 34139	. 58876
41	655.55	346.56	. 39331	. 64376
42	683.81	377.37	. 44517	. 69869
43	712.07	408.19	. 49696	. 75356
44	740.33	439.01	. 54868	. 80837
45	768.59	469.84	. 60034	. 86312
46	796.84	500.67	. 65194	. 91781
47	825.10	531.51	. 70347	. 97244
48	853.35	562.35	. 75493	.3902700
49	881.59	393.20	. 80633	.3908151
50	909.84	624.05	. 85767	.3913595
51	938.08	654.91	. 90894	.3919034
52	966.33	685.77	. 96015	. 24466
53	994.57	716.63	.3801129	. 29893
54	24022.80	747.50	.3806237	. 35313
55	24051.04	778.37	.3811339	. 40727
56	079.27	809.25	. 16434	. 46136
57	107.51	840.13	. 21523	. 51538
58	135.74	871.02	. 26605	. 56935
59	163.96	901.91	. 31682	. 62326
60	192.19	932.80	. 36752	. 67711

76. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	97236.99	416529.98	9.9878315	10.6196463
29	97230.19	415996.85	9.9878012	10.6190900
28	97223.39	415465.01	9.9877708	10.6185345
27	97216.58	414934.46	9.9877404	10.6179795
26	209.76	4405.19	. 77099	. 74252
25	202.93	3877.19	. 76794	. 68715
24	196.09	3350.46	. 76488	. 63184
23	189.25	2824.99	. 76183	. 57660
22	182.40	2300.79	. 75876	. 52142
21	175.54	1777.84	. 75570	. 46630
02	168.67	1256.14	. 75263	. 41124
19	161.79	0735.69	. 74955	. 35624
18	154.91	0216.49	. 74648	. 30131
17	148.02	409698.52	. 74339	. 24644
16	141.12	409181.78	. 74031	. 19163
15	97134.21	408666.27	. 73722	. 13688
14	127.29	8151.99	. 73413	. 08219
13	120.36	7638.92	. 73103	. 02756
12	313.43	7127.07	. 72793	.6097300
11	106.49	6616.43	. 72482	.6091849
10	099.54	6107.00	. 72171	.6086405
9	092.58	5598.77	. 71860	.6080966
8	085.61	5091.74	. 71549	.6075534
7	078.63	4585.99	. 71236	. 70107
6	071.65	4081.25	. 70924	. 64687
5	064.66	3577.79	. 70611	. 59273
4	057.66	3075.50	. 70298	10.6053864
3	050.65	2574.40	. 69984	. 48462
2	043.63	2074.46	. 69670	. 43065
1	036.60	1575.70	. 69356	. 37674
0	029.57	1078.09	. 69041	. 32282

14. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	24192.19	24932.80	9.3836752	9.3967711
1	24220.41	24963.70	9.3841815	9.3973089
2	24248.63	24994.60	9.3846873	9.3978463
3	24276.85	25025.51	9.3851924	9.3983830
4	305.07	25056.42	. 56969	. 89191
5	333.29	25087.34	. 62008	. 94547
6	361.50	25118.26	. 67040	. 99896
7	389.71	149.19	. 72067	.4005240
8	417.92	180.12	. 77087	.4010578
9	446.13	211.06	. 82101	.4015910
10	474.33	242.00	. 87109	. 21237
11	502.54	272.94	. 92111	. 26558
12	530.74	303.89	. 97106	. 31873
13	558.94	334.84	.3902096	. 37182
14	587.13	365.80	.3907079	. 42486
15	615.33	396.76	.3912057	. 47784
16	643.52	427.73	. 17028	. 53076
17	671.71	458.70	. 21993	. 58363
18	699.90	489.68	. 26952	. 63644
19	728.09	520.66	. 31905	. 68919
20	756.27	551.65	. 36852	. 74189
21	784.45	582.64	. 41794	. 79453
22	812.63	613.63	. 46729	. 84712
23	840.81	644.63	. 51658	. 89965
24	868.99	675.63	. 56581	. 95212
25	897.16	706.64	. 61499	.4100454
26	925.33	737.66	. 66410	.4105690
27	953.50	768.68	. 71315	.4110921
28	981.67	799.70	. 76215	. 16146
29	25009.84	830.73	. 81109	. 21366
30	25038.00	861.76	. 85996	. 26581

75. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	97029. 57	401078.09	9.9869041	10.6032289
59	97022. 53	400581.65	9.9868726	10.6026911
58	97015. 48	400086.36	9.9868410	10.6021537
57	97008. 42	399592.23	9.9868094	10.6016170
56	97001. 35	399099.24	.9867778	.6010809
55	96994. 28	398607.39	.9867461	.6005453
54	96987. 20	398116.69	.9867144	.6000104
53	96980. 11	7627.21	.9866827	.5994760
52	96973. 01	7138.68	.9866509	.5989422
51	96965. 90	6651.37	.9866191	.5984090
50	958. 79	6165.18	.9865872	.5978763
49	951. 67	5680.11	.9865553	.5973442
48	944. 54	5196.15	.9865233	.5968127
47	937. 40	4713.31	.9864913	.5962818
46	930. 25	4231.57	.9864593	.5957514
45	923. 09	3750.94	.9864273	.5952216
44	915. 92	3271.41	.9863952	.5946924
43	908. 75	2792.97	.9863630	.5941637
42	901. 57	2315.63	.9863308	.5936356
41	894. 38	1839.37	.9862986	.5931081
40	887. 18	1364.20	.9862663	.5925811
39	879. 98	0890.11	.9862340	.5920547
38	872. 77	390417.10	.9862017	.5915288
37	865. 55	389945.16	.9861693	.5910035
36	96858. 32	389474.29	.9861369	.5904788
35	851. 08	9004.48	.9861045	.5899546
34	843. 83	8535.74	.9860720	.5894310
33	836. 57	8068.05	.9860394	.5889079
32	829. 31	7601.42	.9860069	.5883854
31	822. 04	7135.84	.9859742	.5878634
30	814. 76	6671.31	.9859416	.5873419

14. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	25038.00	25861.76	9.3985996	9.4126581
31	25066.16	25892.80	9.3990878	9.4131789
32	25094.32	25923.84	9.3995754	9.4136993
33	25122.48	25954.88	9.4000625	9.4142191
34	150.63	25985.93	.4005489	.4147383
35	178.79	26016.99	.4010348	. 52570
36	206.94	26048.05	.4015201	. 57752
37	235.08	26079.11	. 20048	. 62928
38	263.23	110.18	. 24889	. 68099
39	291.37	141.26	. 29734	. 73265
40	319.52	172.34	. 34554	. 78425
41	347.66	203.42	. 39378	. 83580
42	375.79	234.51	. 44196	. 88729
43	403.93	265.60	. 49009	. 93874
44	432.06	296.70	. 53816	. 99013
45	460.19	327.80	. 58617	.4204146
46	488.32	358.91	. 63413	.4209275
47	516.45	390.02	. 68203	.4214398
48	544.58	421.14	. 72987	.4219515
49	572.70	452.26	. 77766	. 24628
50	600.82	483.39	. 82539	. 29735
51	628.94	514.52	. 87306	. 34838
52	657.05	545.66	. 92068	. 39935
53	685.17	576.80	. 96824	. 45026
54	713.28	607.94	.4101575	. 50113
55	741.39	639.09	4106320	. 55194
56	769.50	670.25	. 11059	. 60271
57	797.60	701.41	. 15793	. 65342
58	825.70	732.57	. 20522	. 70408
59	853.81	763.74	. 25245	. 75469
60	881.90	794.92	. 29962	. 80545

Min.	75. Grad			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	96814.76	386671.31	9.9859416	10.5873410
29	96807.47	386207.82	9.9859089	10.5868211
28	96800.18	385745.37	9.9858762	10.5863007
27	96792.88	385283.96	9.9858434	10.5857809
26	785.57	4823.58	.9858106	.5852617
25	778.25	4364.24	.9857777	.5847430
24	770.92	3905.91	.9857449	.5842248
23	763.58	3448.61	.9857119	.5837072
22	756.25	2992.33	.9856790	.5831901
21	748.88	2537.07	.9856460	.5826735
20	741.52	2082.81	.9856129	.5821575
19	734.15	1629.57	.9855798	.5816420
18	726.77	1177.35	.9855467	.5811271
17	719.38	0726.06	.9855135	.5806126
16	711.99	0275.85	.9854803	.5800987
15	704.59	379826.61	.9854471	.5795854
14	697.18	379378.35	.9854138	.5790725
13	689.76	378931.09	.9853805	.5785602
12	682.33	378484.81	.9853471	.5780485
11	674.90	8039.51	.9853138	.5775372
10	667.46	7595.19	.9852803	.5770265
9	660.01	7151.85	.9852468	.5765162
8	652.55	6709.47	.9852133	.5760065
7	645.08	6268.07	.9851798	.5754974
6	637.60	5827.63	.9851462	.5749887
5	630.12	5388.15	.9851125	.5744806
4	622.63	4949.63	.9850789	.5739729
3	615.13	4512.07	.9850452	.5734658
2	607.62	4075.46	.9850114	.5729592
1	600.10	3639.80	.9849776	.5724531
0	592.58	3205.08	.9849438	.5719475

15. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	25881. 90	26794. 92	9.4129962	9.4280525
1	25910. 00	26826. 10	9.4134674	9.4285575
2	25938. 10	26857. 28	9.4139381	9.4290621
3	25966. 19	26888. 47	9.4144082	9.4295661
4	25994. 28	26919. 67	. 48778	.4300697
5	26022. 37	26950. 87	9.4153468	.4305727
6	26050. 45	26982. 07	. 58152	.4310753
7	26078. 53	27013. 28	. 62832	9.4315773
8	26106. 61	27044. 49	. 67506	9.4320789
9	26134. 69	27075. 71	. 72174	.4325799
10	162. 77	106. 93	. 76837	.4330804
11	190. 85	138. 16	. 81495	.4335805
12	218. 92	169. 40	. 86148	.4340800
13	246. 99	200. 64	.4190795	.4345791
14	275. 06	231. 88	.4195436	.4350776
15	303. 12	263. 13	.4200073	.4355757
16	331. 18	294. 38	.4204704	.4360733
17	359. 24	325. 64	.4209330	.4365704
18	387. 30	356. 90	.4213950	.4370670
19	415. 36	388. 17	. 18566	.4375631
20	443. 42	419. 44	. 23176	.4380587
21	471. 47	450. 72	. 27780	.4385538
22	499. 52	482. 01	. 32380	.4390485
23	527. 57	513. 30	. 36974	.4395426
24	555. 61	544. 59	. 41563	.4400363
25	583. 65	575. 89	. 46147	.4405295
26	611. 69	607. 19	. 50726	.4410222
27	639. 73	638. 50	. 55299	.4415145
28	667. 77	669. 81	. 59867	.4420062
29	695. 81	701. 13	. 64430	.4424975
30	723. 84	732. 45	. 68988	.4429883

74 Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	96592.58	373205.08	9.9849438	10.5719475
59	96585.05	372771.31	9.9849099	10.5714425
58	96577.51	372338.47	9.9848760	10.5709379
57	96569.96	371966.58	9.9848420	10.5704339
56	562.40	1475.61	. 48081	.5699303
55	554.83	1044.58	. 47740	.5694273
54	547.26	0616.48	. 47400	.5689247
53	539.68	0188.30	. 47059	. 84227
52	532.09	369761.08	. 46717	. 79211
51	524.49	369334.69	. 46375	. 74201
50	516.88	8909.27	. 46033	. 69196
49	509.27	8484.75	. 45690	. 64195
48	501.65	8061.15	. 45347	. 59200
47	494.02	7638.45	. 45004	. 54209
46	486.38	7216.65	. 44660	. 49224
45	478.73	6795.75	. 44316	. 44243
44	471.07	6375.75	. 43971	. 39267
43	463.41	5956.65	. 43626	. 34296
42	455.74	5538.44	. 43281	. 29330
41	448.06	5121.11	. 42935	. 24369
40	440.37	4704.67	. 42589	. 19413
39	432.67	4289.11	. 42242	. 14462
38	424.97	3874.44	. 41895	. 09515
37	417.26	3460.64	. 41548	. 04574
36	409.54	3047.71	. 41200	.5599637
35	401.81	2635.66	. 40852	.5594705
34	394.07	2224.47	. 40503	.5589778
33	386.33	1814.15	. 40154	.5584855
32	378.58	1404.69	. 39805	.5579938
31	370.82	0996.09	. 39455	.5575025
30	363.05	0588.35	. 39105	.5570117

15. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	26723.84	27732.45	9.4268988	9.4429883
31	26751.87	27763.87	9.4273541	9.4434786
32	26779.89	27795.21	9.4278089	9.4439685
33	26807.92	27826.46	9.4282631	9.4444579
34	835.94	27857.80	.4287169	.4449468
35	863.96	27889.15	.4291701	.4454352
36	891.98	27920.50	.4296228	.4459232
37	920.00	27951.86	.4300750	.4464107
38	948.01	27983.22	.4305267	.4468978
39	976.02	28014.59	.4309779	.4473843
40	27004.03	28045.97	.4314286	.4478704
41	032.04	28077.35	.4318788	.4483561
42	060.04	28108.73	.4323285	.4488413
43	088.05	28140.12	.4327777	.4493260
44	116.05	28171.52	.4332264	.4498102
45	144.04	28202.92	.4336746	.4502940
46	172.04	28234.32	.4341223	.4507774
47	200.03	28265.73	.4345694	.4512602
48	228.02	28297.15	.4350161	.4517427
49	256.01	28328.57	.4354623	.4522246
50	284.00	28359.99	.4359080	.4527061
51	311.98	28391.42	.4363532	.4531872
52	339.96	28422.86	.4367980	.4536678
53	367.94	28454.30	.4372422	.4541479
54	395.92	28485.75	.4376859	.4546276
55	423.90	28517.20	.4381292	.4551069
56	451.87	28548.66	.4385719	.4555857
57	479.84	28580.12	.4390142	.4560641
58	507.81	28611.59	.4394560	.4565420
59	535.78	28643.06	.4398973	.4570194
60	563.74	28074.54	.4403381	.4574964

74 Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	96363.05	360588.35	9.9839105	10.5570117
29	96355.27	360181.46	9.9838755	10.5565214
28	96347.48	359775.43	9.9838404	10.5560315
27	96339.69	359370.24	9.9838052	10.5555421
26	331.89	8965.90	. 37701	.5550532
25	324.08	8562.41	. 37348	.5545648
24	316.26	8159.75	. 36996	.5540768
23	308.43	7757.94	. 36643	.5535893
22	300.59	7356.96	. 36290	.5531022
21	292.75	6956.81	. 35936	.5526157
20	284.90	6557.49	. 35582	.5521296
19	277.04	6159.00	. 35227	.5516439
18	269.17	5761.32	. 34872	.5511587
17	261.30	5364.49	. 34517	.5506740
16	253.42	4968.46	. 34161	.5501898
15	245.53	4572.25	. 33805	.5497060
14	237.63	4178.86	. 33449	.5492226
13	229.72	3785.28	. 33092	.5487398
12	221.80	3392.51	. 32735	.5482573
11	213.87	3000.54	. 32377	.5477754
10	205.94	2609.38	. 32019	.5472939
9	198.00	2219.02	. 31661	.5468128
8	190.05	1829.46	. 31302	.5463322
7	182.09	1440.70	. 30942	.5458521
6	174.13	1052.73	. 30583	.5453724
5	166.16	0665.55	. 30223	.5448931
4	158.18	0279.16	. 29862	.5444143
3	150.19	349893.56	. 29501	.5439359
2	142.19	349508.74	. 29140	.5434580
1	134.18	349124.70	. 28778	.5429806
0	126.17	348741.44	. 28416	.5425036

16. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	27563.74	28674.54	9.4403381	9.4574964
1	27591.70	28706.02	9.4407784	9.4579730
2	27619.65	28737.51	9.4412182	9.4584491
3	27647.61	28769.00	9.4416576	9.4589248
4	27675.56	28800.50	. 20965	.4594001
5	27703.52	28832.01	. 25349	.4598749
6	27731.47	28863.52	. 29728	.4603492
7	27759.41	28895.03	. 34103	.4608232
8	27787.36	28926.55	. 38472	.4612967
9	27815.30	28958.08	. 42837	. 17697
10	27843.24	28989.61	. 47197	9.4622423
11	27871.18	29021.14	. 51553	. 27145
12	27899.11	29052.68	. 55904	. 31863
13	27927.04	29084.23	. 60250	. 36576
14	27954.97	29115.78	. 64591	. 41285
15	27982.90	29147.34	9.4468927	9.4645990
16	28010.83	29178.90	. 73259	. 50690
17	28038.75	29210.47	. 77586	. 55386
18	28066.18	29242.05	. 81909	. 60078
19	28094.59	29273.63	. 86227	. 64765
20	28122.51	29305.21	. 90540	. 69448
21	28150.42	29336.80	. 94849	. 674127
22	28178.33	29368.39	.4499153	. 78802
23	28206.24	29399.99	.4503452	. 83473
24	28234.15	29431.60	.4507747	. 88130
25	28262.05	29463.21	. 12037	. 92801
26	28289.95	29494.83	. 16321	. 97459
27	28317.85	29526.45	. 20603	.4702112
28	28345.75	29558.08	. 24879	9.4706762
29	28373.64	29589.71	. 29151	9.4711407
30	28401.53	29621.35	. 33418	9.4716048

73. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	96126.17	348741.44	9.9828416	10.5425036
59	96118.15	348358.96	9.9828054	10.5420270
58	96110.12	347977.26	9.9827691	10.5415509
57	96102.08	347596.32	9.9827328	10.5410752
56	094.03	7216.16	. 26964	.5405999
55	085.98	6836.76	. 26600	.5401251
54	077.92	6458.13	. 26236	.5396508
53	069.85	6080.26	. 25871	.5391768
52	061.77	5703.15	. 25506	. 87033
51	053.68	5326.79	. 25140	. 82303
50	045.58	4951.20	. 24774	. 77577
49	037.48	4576.35	. 24408	. 72855
48	029.37	4202.26	. 24041	. 68137
47	021.25	3828.91	. 23674	. 63424
46	013.12	3456.31	. 23306	. 58715
45	004.98	3084.46	. 22938	. 54010
44	95996.84	2713.34	. 22567	. 49310
43	95988.69	2342.97	. 22201	. 44614
42	95980.53	1973.33	. 21831	. 39922
41	972.36	1604.43	. 21462	. 35235
40	964.18	1236.26	. 21092	. 30552
39	956.00	0868.82	. 20721	. 25873
38	947.81	0502.10	. 20351	. 21198
37	939.61	0136.12	. 19979	. 16527
36	931.40	9770.85	. 19608	. 11861
35	923.18	9406.31	. 19236	. 07199
34	914.95	9042.49	. 18863	. 02541
33	906.72	8679.38	. 18490	.5297888
32	898.48	8316.99	. 18117	.5293238
31	890.23	7955.31	. 17744	.5288593
30	881.97	7594.34	. 17370	.5283952

16. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	28401.53	29621.35	9.4533418	9.4716048
31	28429.42	29652.99	9.4537681	9.472[illegible]85
32	28457.31	29684 64	9.4541939	9.4725318
33	28485.20	29716.30	9.4546192	9.4729947
34	513.08	29747.96	.4550441	.4734571
35	540.96	29779.62	.4554686	.4739192
36	568.84	29811.29	.4558926	.4743808
37	596.71	29842.97	.4563161	. 48421
38	624.58	29874.65	.4567392	. 53029
39	652.45	29906.34	.4571618	. 57633
40	680.32	29938.03	.4575840	. 62233
41	708.19	29969.73	.4580058	. 66829
42	736.05	30001.44	.4584271	. 71421
43	763.91	30033.15	.4588480	. 76009
44	791.77	30064.86	.4592684	. 80592
45	819.63	30096.58	.4596884	. 85172
46	847.48	30128.31	.4601079	. 89748
47	875.33	30160.04	.4605270	9.4794319
48	903.18	30191.78	.4609456	. 98887
49	931.03	30223.52	.4613638	.4803451
50	958.87	30255.27	.4617816	.4808011
51	986.71	30287.03	.4621989	.4812566
52	29014.55	30318.79	.4626158	. 17118
53	29042.39	30350.55	.4630323	. 21666
54	29070.22	30382.32	.4634483	. 26210
55	098.05	30414.10	.4638619	. 30750
56	125.88	30445.88	.4642790	. 35286
57	153.71	30477.67	.4646038	. 39818
58	181.53	30509.46	.4651081	. 44346
59	209.35	30541.26	.4655219	. 48870
60	237.17	30573.07	.4659353	. 53390

73. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	95881. 97	337594.34	9.9817370	10.5283952
29	95873.70	337234.08	9.9816995	10.5279315
28	95865. 43	336874.53	9.9816620	10.5274682
27	95857. 15	336515.68	9.9816245	10.5270053
26	848. 86	6157.53	. 15870	.5265428
25	840. 56	5800.08	. 15494	.5260808
24	832. 25	5443.33	. 15117	.5256192
23	823. 94	5087. 28	. 14740	.5251579
22	815. 62	4731. 91	. 14363	.5246971
21	807. 29	4377. 24	. 13986	.5242367
20	798. 95	4023. 26	. 13608	.5237767
19	790. 60	3669. 97	. 13229	.5233171
18	782. 25	3317. 36	. 12850	.5228579
17	773. 89	2965. 43	. 12471	.5223991
16	765. 52	2614. 19	. 12091	.5219408
15	757. 14	2263. 62	. 11711	.5214828
14	748. 75	1913. 73	. 11331	.5210252
13	740. 35	1564. 52	. 10950	.5205681
12	731. 95	1215. 98	. 10569	.5201113
11	723. 54	0868. 11	. 10187	.5196549
10	715. 12	0520. 91	. 09805	.5191989
9	706. 69	0174. 38	. 09423	.5187434
8	698. 25	329828. 51	. 09040	.5182882
7	689. 81	329483. 30	. 08657	.5178334
6	681. 36	329138. 76	. 08273	.5173790
5	672. 90	8794. 87	. 07889	.5169250
4	664. 43	8451. 64	. 07505	.5164714
3	655. 95	8109. 07	. 07120	.5160182
2	647. 47	7767. 15	. 06735	.5155654
1	638. 98	7425. 88	. 06349	.5151130
0	630. 48	7085. 26	. 05963	.5146610

17. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	29237.17	30573.07	9.4659353	9.4853390
1	29264.99	30604.88	9.4663483	9.4857907
2	29292.80	30636.69	9.4667609	9.4862419
3	29320.61	30668.51	9.4671730	9.4866928
4	348.42	30700.34	.4675848	.4871433
5	376.23	30732.18	.4679960	.4875933
6	404.03	30764.02	.4684069	.4880430
7	431.83	30795.86	.4688173	.4884924
8	459.63	30827.71	.4692273	.4889413
9	487.43	30859.57	.4696369	.4893898
10	515.22	30891.43	.4700461	.4898380
11	543.01	30923.30	.4704548	.4902858
12	570.80	30955.17	.4708631	.4907332
13	598.59	30987.05	.4712710	.4911802
14	626.38	31018.93	.4716785	.4916269
15	654.16	31050.82	.4720856	.4920731
16	681.94	31082.72	.4724922	.4925190
17	709.71	31114.62	.4728985	.4929646
18	737.49	31146.53	.4733043	.4934097
19	765.26	31178.44	.4737097	.4938545
20	793.03	31210.36	.4741146	.4942988
21	820.79	31242.29	.4745192	.4947429
22	848.56	31274.22	.4749234	.4951865
23	876.32	31306.16	.4753271	.4956298
24	904.08	31338.10	.4757304	.4960727
25	931.84	31370.05	.4761334	.4965152
26	959.59	31402.00	.4765359	.4969574
27	29987.34	31433.96	.4769380	.4973991
28	30015.09	31465.93	.4773396	.4978406
29	042.84	31497.90	.4777409	.4982816
30	070.58	31529.88	.4781418	.4987223

Min.	72. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	95630.48	327085.26	9.9805963	10.5146610
59	95621.97	326745.29	9.9805577	10.5142093
58	95613.45	326405.96	9.9805190	10.5137581
57	95604.92	326067.28	9.9804803	10.5133072
56	596.39	5729.24	. 04415	.5128567
55	587.85	5391.84	. 04027	.5124067
54	579.30	5055.08	. 03639	.5119570
53	570.74	4718.95	. 03250	.5115076
52	562.17	4383.46	. 02860	.5110587
51	553.60	4048.60	. 02471	.5106102
50	545.02	3714.38	. 02081	.5101620
49	536.43	3380.78	9.9801690	.5097142
48	527.83	3047.80	. 01299	.5092668
47	519.22	2715.46	. 00908	.5088198
46	510.61	2383.73	. 00516	.5083731
45	501.99	2052.63	. 00124	.5079269
44	493.36	1722.15	.9799732	.5074810
43	484.72	1392.28	.9799339	.5070354
42	476.07	1063.04	.9798946	.5065903
41	467.42	0734.40	. 98552	.5061455
40	458.76	0406.38	. 98158	.5057012
39	450.09	0078.97	. 97764	.5052571
38	441.41	319752.17	. 97369	.5048135
37	432.72	319425.98	. 96973	.5043702
36	424.03	319100.39	. 96578	.5039273
35	415.33	8775.40	. 96182	.5034848
34	406.62	8451.02	. 95785	.5030426
33	397.90	8127.24	. 95388	.5026009
32	389.17	7804.06	. 94991	.5021594
31	380.43	7481.47	. 94593	.5017184
30	371.69	7159.48	. 94195	.5012777

17. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	30070.58	31529.88	9.4781418	9.4987223
31	30098.32	31561.86	9.4785423	9.4991[illegible]6
32	30126.06	31593.85	9.4789423	9.4996[illegible]6
33	30153.80	31625.85	9.4793420	9.5000422
34	181.53	31657.85	.4797412	.5004814
35	209.26	31689.86	.4801401	.5009203
36	236.99	31721.87	.4805385	.5013588
37	264.71	31753.09	.4809366	.5017969
38	292.44	31785.91	.4813342	.5022347
39	320.16	31817.94	.4817315	.5026721
40	347.88	31849.98	9.4821283	.5031092
41	375.59	31882.02	.4825248	.5035459
42	403.31	31914.07	.4829208	.5039822
43	431.02	31946.13	.4833165	.5044182
44	458.72	31978.19	.4837117	.5048538
45	486.43	32010.25	.4841066	.5052891
46	514.13	32042.32	.4845010	.5057240
47	541.83	32074.40	.4848951	.5061586
48	569.53	32106.49	.4852888	.5065928
49	597.23	32138.58	.4856820	9.5070267
50	624.92	32170.67	.4860749	9.5074602
51	652.61	32202.77	.4864674	.5078933
52	680.29	32234.88	.4868595	.5083261
53	707.98	32267.00	.4872512	.5087586
54	735.66	32299.12	.4876426	.5091907
55	763.34	32331.25	.4880335	.5096224
56	791.02	32363.38	.4884240	.5100539
57	818.69	32395.52	.4888142	.5104849
58	846.36	32427.66	.4892040	.5109156
59	874.03	32459.81	.4895934	.5113460
60	901.70	32491.97	.4899824	.5117760

72. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	95371.69	317159.48	9.9794195	10.5012777
[illegible]	95362.94	316838.08	9.9793796	10.5008374
28	95354.18	316517.28	9.9793398	10.5003974
27	95345.41	316197.06	9.9792998	10.4999578
26	336.64	5877.44	.9792599	.4995186
25	327.86	5558.40	.9792198	.4990797
24	319.07	5239.94	.9791798	.4986412
23	310.27	4922.07	.9791397	.4982031
22	301.46	4604.78	.9790996	.4977653
21	292.64	4288.07	.9790594	.4973279
20	283.82	3971.94	.9790192	.4968908
19	274.99	3656.39	.9789789	.4964541
18	266.15	3341.41	.9789386	.4960178
17	257.30	3027.01	.9788983	.4955818
16	248.44	2713.17	.9788579	.4951462
15	239.58	2399.91	.9788175	.4947109
14	230.71	2087.22	.9787770	.4942760
13	221.83	1775.09	.9787365	.4938414
12	212.94	1463.53	.9786960	.4934072
11	204.04	1152.54	.9786554	.4929733
10	195.14	0842.10	.9786148	.4925398
9	186.23	0532.23	.9785741	.4921067
8	177.31	0222.91	.9785334	.4916739
7	168.38	309914.16	.9784927	.4912414
6	159.44	309605.96	.9784519	.4908093
5	150.49	309298.31	.9784111	.4903776
4	141.54	308991.22	.9783702	.4899461
3	132.58	308684.68	.9783293	.4895151
2	123.61	8378.69	.9782883	.4890844
1	114.63	8073.25	.9782474	.4886540
0	105.65	7768.35	.9782063	.4842240

18. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	30901.70	32491.97	9.4899824	9.5117760
1	30929.36	32524.13	9.4903710	9.5122057
2	30957.02	32556.30	9.4907592	9.5126351
3	30984.68	32588.48	9.4911471	9.5130641
4	31012.34	32620.66	.4915345	.5134927
5	039.99	32652.85	.4919216	.5139210
6	067.64	32685.04	.4923083	.5143490
7	095.29	32717.25	.4926946	.5147766
8	122.94	32749.44	.4930806	.5152039
9	150.58	32781.65	.4934661	.5156309
10	178.22	32813.87	.4938513	.5160575
11	205.86	32846.10	.4942361	.5164838
12	233.49	32878.33	.4946205	.5169097
13	261.12	32910.56	.4950046	.5173353
14	288.75	32942.80	.4953883	.5177606
15	316.38	32975.05	.4957716	.5181855
16	344.00	33007.31	.4961545	.5186101
17	371.63	33039.57	.4965370	.5190344
18	399.25	33071.84	.4969192	.5194583
19	426.86	33104.11	.4973010	.5198819
20	454.48	33136.39	.4976824	.5203052
21	482.09	33168.68	.4980635	.5207282
22	509.69	33200.97	.4984442	.5211508
23	537.30	33233.27	.4988245	.5215730
24	564.90	33265.57	.4992045	.5219950
25	592.50	33297.88	.4995840	.5224166
26	31620.01	33330.20	.4999633	.5228379
27	647.70	33362.52	.5003421	.5232589
28	675.29	33394.58	.5007206	.5236795
29	702.88	33427.19	.5010987	.5240999
30	730.47	33459.53	.5014764	.5245199

71. Grad

	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	95105. 65	307768.35	9.9782063	10.4882240
[illegible]	95096. 66	307464.00	9.9781653	10.4877943
58	95087. 66	307160.20	9.9781241	10.4873649
57	95078. 65	306856.93	9.9780830	10.4869359
56	069. 63	6554.21	.9780418	.4865073
55	060. 60	6252.03	.9780006	.4860790
54	051. 57	5950.38	.9779593	.4856510
53	042. 53	5649.28	.9779180	.4852234
52	033. 48	5348.70	.9778766	.4847961
51	024. 42	5048.66	.9778353	.4843691
50	015. 36	4749.15	.9777938	.4839425
49	006. 29	4450.18	.9777523	.4835162
48	94997. 21	4151.73	.9777108	.4830903
47	94988. 12	3853.81	.9776693	.4826647
46	979. 02	3556.41	.9776277	.4822394
45	969. 91	3259.54	.9775860	.4818145
44	960. 80	2963.20	.9775444	.4813899
43	951. 68	2667.37	.9775026	.4809656
42	942. 55	2372.07	.9774609	.4805417
41	933. 41	2077.28	.9774191	.4801181
40	924. 26	1783.01	.9773772	.4796948
39	915. 11	1489.26	.9773354	.4792718
38	905. 95	1196.02	.9772934	.4788492
37	896. 78	0903.30	.9772515	.4784270
36	887. 60	0611.09	.9772095	.4780050
35	878. 41	0319.39	.9771674	.4775834
34	869. 22	0028.20	.9771253	.4771621
33	860. 02	299737.51	.9770832	.4767411
32	850. 81	299447.34	.9770410	.4763205
31	841. 59	299157.66	.9769988	.4759001
30	832. 36	298868.50	.9769566	.4754801

18. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	31730 47	33459.53	9.5014764	9.5245199
31	31758.05	33491.88	9.5018538	9.524939[illegible]
32	31785.63	33524.24	9.5022308	9.5253589
33	31813.21	33556.60	9.5026075	9.5257779
34	840.79	588.97	. 29838	.5261966
35	868.36	621.34	. 33597	. 66150
36	895.93	653.72	. 37353	. 70331
37	923.50	686.11	. 41105	. 74508
38	951.06	718.50	. 44853	. 78682
39	978.63	750.90	9.5048598	. 82853
40	32006.19	783.30	9.5052339	. 87021
41	32033.74	815.71	. 56077	. 91186
42	32061.30	848.13	. 59811	. 95347
43	038.85	880.56	. 63542	.5299505
44	116.40	912.99	. 67268	.5303661
45	143.95	945.43	. 70992	.5307813
46	171.49	33977.87	. 74712	.5311961
47	199.03	34010.32	. 78428	. 16107
48	226.57	34042.78	. 82141	. 20250
49	254.10	075.24	. 85850	. 24389
50	281.64	107.71	. 89556	. 28526
51	309.17	140.19	. 93258	. 32659
52	336.70	172.67	.5096956	. 36789
53	364.22	205.16	.5100651	. 40916
54	391.74	237.65	.5104343	. 45040
55	419.26	270.15	5108031	. 49161
56	446.78	302.66	. 11716	. 53278
57	474.29	335.18	. 15397	. 57393
58	501.80	367.70	. 19074	. 61505
59	529.31	400.23	. 22749	. 65613
60	556.82	432.76	. 26419	. 69719

71. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	94832.36	298868.50	9.9769566	10.4754801
29	94823.13	298579.83	9.9769143	10.4750605
28	94813.89	298291.66	9.9768720	10.4746411
27	94804.64	298004.00	9.9768296	10.4742221
26	795.83	7716.83	. 67872	. 38034
25	786.11	7430.16	. 67447	. 33850
24	776.84	7143.99	. 67022	. 29669
23	767.56	6858.31	. 66597	. 25492
22	758.27	6573.12	. 66171	. 21318
21	748.97	6288.42	. 65745	. 17147
20	739.66	6004.22	. 65318	. 12979
19	730.35	5720.50	. 64891	. 08814
18	721.03	5437.27	. 64464	. 04653
17	711.70	5154.53	. 64036	.4700495
16	702.36	4872.27	. 63608	.4696339
15	693.01	4590.50	. 63179	.4692187
14	683.66	4309.21	. 62750	. 88039
13	674.30	4028.40	. 62321	. 83893
12	664.93	3748.07	. 61891	. 79750
11	655.55	3468.22	. 61461	. 75611
10	646.16	3188.85	. 61030	. 71474
9	636.76	2909.95	. 60599	. 67341
8	627.36	2631.52	. 60167	. 63211
7	617.95	2353.58	. 59736	. 59084
6	608.53	2076.10	. 59303	. 54960
5	599.10	1799.09	. 58870	. 50839
4	589.67	1522.56	. 58437	. 46722
3	580.23	1246.49	. 58004	. 42607
2	570.78	0970.89	. 57570	. 38495
1	561.32	0695.76	. 57135	. 34387
0	551.85	0421.09	. 56701	. 30281

19. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	32556.82	34432.76	9.5126419	9.5369718
1	32584.32	34465.30	9.5130086	9.5373821
2	32611.82	34497.85	9.5133750	9.5377920
3	32639.31	34530.40	9.5137410	9.5382017
4	666.81	562.96	. 41067	.5386110
5	694.30	595.53	. 44721	.5390200
6	721.79	628.10	. 48371	.5394287
7	749.28	660.68	. 52017	.5398371
8	776.76	693.27	. 55660	.5402453
9	804.24	725.86	. 59300	.5406531
10	831.72	758.46	. 62936	. 10606
11	859.19	791.07	. 66569	. 14678
12	886.66	823.68	. 70198	. 18747
13	914.13	856.30	. 73824	. 22813
14	941.60	888.93	. 77447	. 26877
15	969.06	921.56	. 81066	. 30937
16	996.52	954.20	. 84682	. 34994
17	33023.98	986.85	. 88295	. 39048
18	33051.44	35019.50	. 91904	9.5443100
19	078.89	35052.16	. 95510	. 47148
20	106.34	35084.83	. 99112	. 51193
21	133.79	35117.50	.5202711	. 55236
22	161.23	150.18	.5206307	. 59276
23	188.67	182.87	.5209899	. 63312
24	216.11	215.56	. 13488	. 67346
25	243.55	248.26	. 17074	. 71377
26	270.98	280.97	. 20656	. 75405
27	298.41	313.68	. 24235	. 79430
28	325.84	346.40	. 27811	. 83452
29	353.27	379.13	. 31383	. 87471
30	380.69	411.86	. 34953	. 91487

70. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	94551.85	290421.09	9.9756701	10.4630281
59	94542.38	290146.88	9.9756265	10.4626179
58	94532.90	289873.14	9.9755830	10.4622080
57	94523.41	289599.86	9.9755394	10.4617983
56	94513.91	289327.04	.9754957	.4613890
55	504.40	289054.67	.9754521	.4609800
54	494.89	288782.77	.9754083	.4605713
53	485.37	8511.32	.9753646	.4601629
52	475.84	8240.33	.9753208	.4597547
51	466.30	7969.79	.9752769	.4593469
50	456.75	7699.70	.9752330	.4589394
49	447.20	7430.07	.9751891	.4585322
48	437.64	7160.88	.9751451	.4581253
47	428.07	6892.15	.9751011	.4577187
46	418.49	6623.86	.9750570	.4573123
45	408.90	6356.02	.9750129	.4569063
44	399.31	6088.63	.9749688	.4565006
43	389.71	5821.68	.9749246	.4560952
42	380.10	5555.17	.9748804	.4556900
41	370.48	5289.11	.9748361	.4552852
40	360.85	5023.49	.9747918	.4548807
39	351.21	4758.31	.9747475	.4544764
38	341.57	4493.56	.9747031	.4540724
37	331.92	4229.26	.9746587	.4536688
36	322.62	3965.39	.9746142	.4532654
35	312.60	3701.96	.9745697	.4528623
34	302.93	3438.96	.9745252	.4524595
33	293.25	3176.39	.9744806	.4520570
32	283.56	2914.26	.9744359	.4516548
31	273.86	2652.56	.9743913	.4512529
30	264.15	2391.29	.9743466	.4508513

19. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	33380.69	35411.86	9.5234953	9.5491487
31	33408.10	35444.60	9.5238518	9.5495500
32	33435.52	35477.35	9.5242081	9.5499511
33	33462.93	35510.10	9.5245640	9.5503519
34	490.34	542.86	. 49196	.5507523
35	517.75	575.63	. 52749	.5511525
36	545.16	608.40	. 56298	.5515524
37	572.56	641.18	9.5259844	.5519521
38	599.96	673.97	. 63387	.5523514
39	627.35	706.76	. 66927	.5527504
40	654.75	739.56	. 70463	.5531492
41	682.14	772.37	. 73997	.5535477
42	709.53	805.18	. 77526	.5539459
43	736.91	838.00	. 81053	.5543438
44	764.29	870.83	. 84577	.5547415
45	791.67	903.67	. 88097	.5551388
46	819.05	35936.51	. 91614	.5555359
47	846.42	35969.36	. 95128	.5559327
48	873.79	36002.22	. 98638	.5563292
49	901.16	36035.08	.5302146	.5567255
50	928.53	36067.95	.5305650	.5571214
51	955.89	36100.83	.5309151	.5575171
52	33983.25	133.71	. 12649	.5579125
53	34010.60	166.60	. 16143	.5583077
54	34037.95	199.50	. 19635	.5587025
55	34065.30	232.40	. 23123	.5590971
56	092.65	265.31	. 26608	.5594914
57	120.00	298.23	. 30090	.5598854
58	147.34	331.15	. 33569	.5602792
59	174.68	364.08	. 37044	.5606727
60	202.02	397.02	. 40517	.5610659

70 Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	94264.15	282391.29	9.9743466	10.4508513
29	94254.43	282130.45	9.9743018	10.4504500
28	94244.71	281870.03	9.9742570	10.4500489
27	94234.98	281610.04	9.9742122	10.4496481
26	225.24	281356.48	.9741673	.4492477
25	215.50	281091.34	.9741224	.4488475
24	205.75	280832.63	.9740774	.4484476
23	195.99	280574.33	.9740324	.4480479
22	186.22	280316.46	.9739873	.4476486
21	176.44	280059.01	.9739422	.4472496
20	166.65	9801.98	.9738971	.4468508
19	156.85	9545.37	.9738519	.4464523
18	147.05	9289.17	.9738067	.4460541
17	137.24	9033.39	.9737615	.4456562
16	127.42	8778.02	.9737162	.4452585
15	117.60	8523.07	.9736709	.4448612
14	107.77	8268.53	.9736255	.4444641
13	097.93	8014.40	.9735801	.4440673
12	088.08	7760.69	.9735346	.4436708
11	078.22	7507.38	.9734891	.4432745
10	068.35	7254.48	.9734435	.4428786
9	058.48	7001.99	.9733980	.4424829
8	048.60	6749.90	.9733523	.4420875
7	038.71	6498.22	.9733067	.4416923
6	028.81	6246.95	.9732610	.4412975
5	018.90	[illegible]6.08	.9732152	.4409029
4	008.99	5745.61	.9731694	.4405086
3	93999.07	5495.45	.9731236	.4401146
2	93989.14	5245.88	.9730777	.4397208
1	93979.20	4996.61	.9730318	.4393273
0	93969.26	4747.74	.9729858	.4389341

Min.	20. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	34202.02	36397.02	9.5340517	9.5610658
1	34229.35	36429.97	9.5343986	9.5614588
2	34256.68	36462.92	9.5347452	9.5618515
3	34284.01	36495.88	9.5350915	9.5622439
4	311.33	36528.85	.5354375	.5626360
5	338.65	36516.82	.5357832	.5630278
6	365.97	36594.80	.5361286	.5634194
7	393.29	36627.79	.5364737	.5638107
8	420.60	36660.79	.5368184	.5642018
9	447.91	36693.79	.5371628	.5645925
10	475.22	36726.80	.5375069	.5649831
11	502.52	36759.82	.5378508	.5653733
12	529.82	36792.84	.5381943	.5657633
13	557.12	36825.87	9.5385375	.5661530
14	584.42	36858.91	.5388804	.5665424
15	611.71	36891.95	.5392230	.5669316
16	639.00	36925.00	.5395653	.5673205
17	666.29	36958.06	.5399073	.5677091
18	693.57	36991.13	.5402489	.5680975
19	720.85	37024.20	.5405903	.5684856
20	748.13	37057.28	.5409314	9.5688735
21	775.40	37090.37	.5412721	.5692611
22	802.67	37123.46	.5416126	9.5696484
23	829.94	37156.56	.5419527	.5700355
24	857.21	37189.67	.5422926	.5704223
25	884.47	37222.78	.5426321	.5708088
26	911.73	37255.90	.5429713	.5711951
27	938.99	37289.03	.5433103	.5715811
28	966.24	37322.17	.5436489	.5719669
29	993.49	37355.32	.5439873	.5723524
30	35020.74	37388.47	.5443253	.5727377

69. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	93969. 26	274747. 74	9.9729858	10.4389341
59	93959. 31	274499. 27	9. 9729398	10.4385412
58	93949. 35	274251. 20	9.9728938	10.4381485
57	93939. 38	274003. 52	9.9728477	10.4377561
56	929. 40	273756. 23	. 28016	.4373640
55	919. 42	273509. 34	. 27554	.4369722
54	909. 43	273262. 84	. 27092	.4365806
53	899. 43	273016. 74	. 26629	.4361893
52	889. 42	272771. 02	. 26166	.4357982
51	879. 40	272525. 69	. 25703	.4354075
50	869. 37	272280. 75	. 25239	.4350169
49	859. 34	272036. 20	. 24775	.4346267
48	849. 30	271792. 04	. 24310	.4342367
47	839. 25	271548. 26	. 23845	.4338470
46	829. 19	271304. 87	9.9723380	.4334576
45	819. 13	271061. 86	. 22914	.4330684
44	809. 06	270819. 23	. 22448	.4326795
43	798. 98	270576. 99	. 21981	.4322909
42	788. 89	270335. 13	. 21514	.4319025
41	778. 36	270093. 64	. 21047	.4315144
40	768. 69	269852. 54	. 20579	.4311265
39	758. 58	269611. 81	. 20110	.4307389
38	748. 46	269371 47	. 19642	.4303516
37	738. 33	269131. 49	. 19172	.4299645
36	723. 19	268891. 90	. 18703	.4295777
35	718. 05	268652. 67	. 18233	.4291911
34	707. 90	268413. 83	. 17762	.4288049
33	697. 74	268175. 35	. 17291	.4284189
32	687. 57	267937. 25	. 16820	.4280331
31	677. 40	267699. 51	. 16348	.4276476
30	667. 22	267462. 15	. 15867	.4272623

20. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	35020.74	37388.47	9.5443253	9.5727377
31	35047.99	37421.63	9.5446630	9.5731227
32	35075.23	37454.79	9.5450005	9.5735074
33	35102.47	37487.97	9.5453376	9.5738919
34	129.70	37521.15	.5456745	.5742761
35	156.93	37554.34	.5460110	.5746601
36	184.16	37587.53	.5463472	.5750438
37	211.39	37620.73	.5466832	.5754272
38	238.62	37653.94	.5470189	.5758104
39	265.84	37687.16	.5473542	.5761934
40	293.06	37720.38	.5476893	.5765761
41	320.27	37753.61	.5480240	.5769585
42	347.48	37786.85	.5483585	.5773407
43	374.69	37820.10	.5486927	.5777226
44	401.90	37853.35	.5490266	.5781043
45	429.19	37886.61	.5493602	.5784858
46	456.30	37919.88	.5496935	.5788669
47	483.50	37953.16	.5500265	.5792479
48	510.70	37986.44	.5503592	.5796286
49	537.89	38019.73	.5506916	.5800090
50	565.08	38053.03	.5510237	.5803892
51	592.26	38086.33	.5513556	.5807692
52	629.44	38119.64	.5516871	.5811488
53	646.62	38152.96	.5520184	.5815282
54	673.80	38186.29	.5523494	.5819074
55	700.97	38219.26	.5526801	.5822864
56	728.14	38252.96	.5530105	.5826651
57	755.31	38286.31	.5533406	.5830435
58	782.48	38319.67	.5536704	.5834217
59	809.64	38353.03	.5539999	.5837997
60	836.79	38386.40	.5543292	.5841774

69. Grad.

Min.	Sinus.	Tang.	Log Sin.	Log. Tang.
30	93667.22	267462.15	9.9715876	10.4272623
29	93657.03	267225.16	9.9715404	10.4268773
28	93646.83	266988.53	9.9714931	10.4264926
27	93636.62	266752.27	9.9714457	10.4261081
26	626.40	266516.38	. 13984	.4257239
25	616.18	266280.85	. 13509	.4253399
24	605.95	266045.69	. 13035	.4249562
23	595.71	265810.89	. 12560	.4245728
22	585.46	265576.45	. 12084	.4241896
21	575.21	265342.38	. 11608	.4238066
20	564.95	265108.67	. 11132	.4234239
19	554.68	264875.31	. 10655	.4230415
18	544.40	264642.32	. 10178	.4226593
17	534.11	264409.69	. 09701	.4222774
16	523.82	264177.41	. 09223	.4218957
15	513.52	263945.49	. 08744	.4215142
14	503.21	263713.92	9.9708265	.4211331
13	492.89	263482.71	. 07786	.4207521
12	482.56	263251.86	. 07306	.4203714
11	472.23	263021.36	. 06826	.4199910
10	461.89	262791.21	. 06346	.4196108
9	451.54	262561.41	. 05865	.4192309
8	441.18	262331.96	. 05383	.4188512
7	430.82	262102.86	. 04902	.4184718
6	420.45	261874.11	. 04419	.4180926
5	410.07	261645.71	. 03937	.4177136
4	399.68	261417.66	. 03454	.4173349
3	389.28	261189.95	. 02970	.4169565
2	378.87	260962.59	. 02486	.4165783
1	368.46	260735.58	. 02002	.4162003
0	358.04	260508.91	. 01517	.4158226

21. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	35836.79	38386.40	9.5543292	9.5841774
1	35863.95	38419.78	9.5546581	9.5845549
2	35891.10	38453.17	9.5549868	9.5849321
3	35918.25	38486.56	9.5553152	9.5853091
4	35945.40	519.96	. 56433	.5856859
5	35972.54	553.37	. 59711	.5860624
6	35999.68	586.79	. 62987	.5864386
7	36026.82	620.01	. 66259	.5868147
8	36053.95	653.64	. 69529	.5871904
9	36081.80	687.08	. 72796	.5875660
10	36108.21	720.53	.5576060	.5879413
11	36135.33	753.98	. 79321	.5883163
12	36162.46	787.44	. 82579	.5886912
13	36189.58	820.91	. 85835	.5890657
14	36216.69	854.39	. 89088	.5894401
15	36243.80	887.87	. 92338	.5898142
16	36270.91	921.36	. 95585	.5901881
17	36298.02	954.86	. 98829	.5905617
18	36325.12	988.37	.5602071	.5909351
19	36352.22	39021.89	.5605310	. 13082
20	36379.32	39055.41	.5608546	. 16812
21	36406.41	39088.94	.5611779	. 20539
22	36433.50	122.48	. 15010	. 24263
23	36460.59	156.02	. 18237	. 27985
24	36487.68	189.57	. 21462	. 31705
25	36514.76	223.13	. 24685	. 35422
26	36541.84	256.70	. 27904	. 39138
27	36568.92	290.28	. 31121	. 42851
28	36595.99	323.86	. 34335	. 46561
29	36623.06	357.45	. 37546	. 50269
30	36650.13	391.05	. 40754	. 53975

68. Grad.

	Sinus.	Tang.	*Log. Sin.*	*Log. Tang.*
60	93358.04	260508.91	9.9701517	10.4158226
59	93347.61	260282.58	9.9701032	10.4154451
58	93337.17	260056.59	9.97005[illegible]	10.4150679
57	93326.73	259830.95	9.97000[illegible]	10.4146909
56	316.28	259605.64	.9699574	.4143141
55	305.82	259380.68	.9699087	.4139376
54	295.35	259156.06	.9698600	.4135614
53	284.87	8931.77	.9698112	.4131853
52	274.39	8707.82	.9697624	.4128096
51	263.90	8484.21	.9697136	.4124340
50	253.40	8260.94	.9696647	.4120587
49	242.89	8038.90	.9696158	.4116837
48	232.38	7815.39	.9695668	.4113088
47	221.86	7593.12	.9695177	.4109343
46	211.33	7371.18	.9694687	.4105599
45	200.79	7149.57	.9694196	.4101858
44	190.24	6928.30	.9693704	.4098119
43	179.68	6707.35	.9693212	.4094383
42	169.12	6486.74	.9692720	.4090649
41	158.55	6266.45	.9692227	.4086918
40	147.97	6046.49	.9691734	.4083188
39	137.38	5826.86	.9691240	.4079461
38	126.79	5607.56	.9690746	.4075737
37	116.19	5388.58	.9690252	.4072015
36	105.58	5169.92	.9689757	.4068295
35	094.96	4951.60	.9689262	.4064577
34	084.33	4733.59	.9688766	.4060862
33	073.70	4515.91	.9688270	.4057149
32	063.06	4298.55	.9687773	.4053439
31	052.41	4081.51	.9687276	.4049731
30	041.75	3864.79	.9686779	.4046025

21. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	36650.13	39391.05	9.5640754	9.5953975
31	36677.19	39424.66	9.5643960	9.5957679
32	36704.25	39458.27	9.5647163	9.5961380
33	36731.31	39491.89	9.5650363	9.5965079
34	36758.36	525.52	. 53561	.5968776
35	36785.41	559.16	. 56756	.5972470
36	36812.46	592.80	. 59948	.5976162
37	36839.50	626.45	. 63137	.5979852
38	36866.54	660.11	. 66324	.5983540
39	36893.58	693.78	. 69508	.5987225
40	36920.62	727.46	. 72689	.5990908
41	36947.65	761.14	. 75868	.5994588
42	36974.68	794.83	. 79044	.5998267
43	37001.70	828.53	. 82217	.6001943
44	37028.72	862.24	. 85387	.6005617
45	37055.74	895.96	. 88555	.6009289
46	37082.76	929.68	. 91721	.6012958
47	37109.77	963.41	. 94883	.6016625
48	37136.78	997.15	. 98043	.6020290
49	37163.79	40030.89	.5701200	.6023953
50	37190.80	40064.65	.5704355	.6027613
51	37217.80	40098.41	.5707506	.6031271
52	37244.80	132.18	. 10656	.6034927
53	37271.79	165.96	. 13802	.6038581
54	37298.78	199.75	. 16946	.6042233
55	37325.77	233.54	. 20087	.6045882
56	37352.75	267.34	. 23226	.6049529
57	37379.73	301.15	. 26362	.6053174
58	37406.71	334.97	. 29495	.6056817
59	37433.69	368.79	. 32626	.6060457
60	37460.66	402.62	. 35754	.6064096

Min.	68. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	93041.75	253864.79	9.9686779	10.4046025
29	93031.09	253648.39	9.9686281	10.4042321
28	93020.42	253432.31	9.9685783	10.4038620
27	93009.74	253216.55	9.9685284	10.4034921
26	92999.05	3001.11	. 84785	.4031224
25	92988.35	2785.98	. 84286	.4027530
24	92977.65	2571.17	. 83786	.4023838
23	966.94	2356.67	. 83285	.4020148
22	956.22	2142.49	. 82784	.4016460
21	945.49	1928.63	. 82283	.4012775
20	934.75	1715.07	. 81781	.4009092
19	924.01	1501.83	. 81279	.4005411
18	913.26	1288.90	. 80777	.4001733
17	902.50	1076.29	. 80274	.3998057
16	891.73	0863.98	. 79771	.3994383
15	880.95	0651.98	. 79267	.3990711
14	870.17	0440.29	. 78763	.3987042
13	859.38	0228.91	. 78258	.3983375
12	848.58	0017.84	. 77753	.3979710
11	837.77	9807.07	. 77247	.3976047
10	826.96	9596.61	. 76741	.3972387
9	816.14	9386.45	. 76235	.3968729
8	805.31	9176.60	. 75728	.3965073
7	794.47	8967.06	. 75221	.3961419
6	783.62	8757.81	. 74713	.3957767
5	772.77	8548.87	. 74205	.3954118
4	761.91	8340.23	. 73697	.3950471
3	751.04	8131.90	. 73188	.3946826
2	740.16	7923.86	. 72679	.3943183
1	729.28	7716.12	. 72169	.3939543
0	718.39	7508.69	9.9671659	.3935904

22. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	37460.60	40402.62	9.5735754	9.6064096
1	37487.63	40436.46	9.5738880	9.6067732
2	37514.59	40470.31	9.5742003	9.6071366
3	37541.56	40504.17	9.5754123	9.6074997
4	568.52	538.04	.5748240	.6078627
5	595.47	571.91	.5751356	.6082254
6	622.43	605.79	.5754468	.6085880
7	649.38	639.68	.5757578	.6089503
8	676.32	673.98	.5760685	.6093124
9	703.27	707.48	.5763790	.6096742
10	730.21	741.39	.5766892	.6100359
11	37757.14	775.31	.5769991	.6103973
12	784.08	809.24	.5773088	.6107586
13	811.01	843.18	.5776183	.6111196
14	837.94	877.13	.5779275	.6114804
15	864.86	911.08	.5782364	.6118400
16	891.78	945.04	.5781450	.6122013
17	918.70	979.01	.5788535	.6125615
18	945.62	41012.99	.5791616	.6129214
19	972.53	41046.97	.5794695	.6132812
20	999.44	41080.97	.5797772	.6136407
21	38026.34	41114.97	.5800845	.6140000
22	38053.24	148.98	.5803917	.6143591
23	080.14	183.00	.5806986	.6147180
24	107.04	217.03	.5810052	.6150766
25	133.93	251.06	.5813116	.6154351
26	160.82	285.10	.5816177	.6157934
27	187.70	319.15	.5819236	.6161514
28	214.59	353.21	.5822292	.6165903
29	241.47	387.28	.5825345	.6168669
30	38268.34	421.36	.5828397	.6172243

67. Grad.

Min	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	92718.39	247508.69	9.9671659	10.3935904
59	92707.49	247301.55	9.9671148	10.3932268
58	92696.58	247094.70	9.9670637	10.3928634
57	92685.66	246888.16	9.9670125	10.3925003
56	674.73	6681.91	. 69614	.3921373
55	663.80	6475.96	9.9669101	.3917746
54	652.86	6270.30	. 68588	.3914120
53	641.91	6064.94	. 68075	.3910497
52	630.96	5859.87	. 67562	.3906876
51	620.00	5655.09	. 67048	.3903258
50	609.03	5450.61	. 66533	.3899641
49	598.05	5246.42	. 66018	.3896027
48	587.06	5042.52	. 65503	.3892414
47	576.06	4838.91	. 64987	.3888804
46	565.06	4635.59	. 64471	.3885196
45	554.05	4432.56	. 63954	.3881591
44	543.03	4229.82	. 63437	.3877987
43	532.00	4027.36	. 62920	.3874385
42	520.97	3825.19	. 62402	.3870786
41	509.93	3623.31	. 61884	.3867138
40	498.88	3421.72	. 61365	.3863593
39	487.82	3220.41	. 60846	.3860000
38	476.75	3019.38	. 60326	.3856409
37	465.68	2818.64	. 59806	.3852820
36	454.60	2618.01	. 59285	.3849234
35	443.51	2418.40	. 58764	.3845649
34	432.41	2218.12	. 58243	.3842066
33	421.31	2018.51	. 57721	.3838486
32	410.20	1819.18	. 57199	.3834907
31	399.08	1620.13	. 56677	.3831331
30	387.95	1421.36	. 56153	.3827757

22. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	38268.34	41421.36	9.5828397	9.6172243
31	38295.22	41455.44	9.5831445	9.6175815
32	38322.09	41489.53	9.5834491	9.6179385
33	38348.95	41523.63	9.5837535	9.6182953
34	375.82	41557.74	. 40576	.6186519
35	402.68	41591.86	. 43615	.6190083
36	429.53	41625.99	. 46651	.6193645
37	456.39	41660.12	. 49685	.6197205
38	483.24	41694.26	. 52716	.6200762
39	510.08	41728.41	. 55745	.6204318
40	536.93	41762.57	. 58771	.6207872
41	563.77	41796.74	. 61795	. 11423
42	590.60	41830.91	. 64816	. 14973
43	617.44	41865.09	. 67835	. 18520
44	644.27	41899.28	. 70851	9.6222066
45	671.10	41933.48	. 73865	. 25609
46	697.92	41967.69	. 76876	. 29150
47	724.74	42001.91	. 79885	. 32690
48	751.56	42036.13	. 82892	. 36227
49	778.37	42070.36	. 85896	. 39763
50	805.18	42104.60	. 88897	. 43296
51	831.99	42138.85	. 91897	. 46827
52	858.80	42173.11	. 94893	. 50356
53	885.60	42207.38	. 97888	. 53884
54	912.39	42241.66	.5900880	. 57409
55	939.19	42275.94	.5903869	. 60932
56	965.98	42310.23	.5906856	. 64454
57	992.77	42344.53	.5909841	. 67973
58	39019.55	42378.84	. 12823	. 71491
59	046.33	42413.16	. 15803	. 75006
60	073.11	42447.49	. 18780	. 78519

Min.	67. Grad			
	Sinus.	Tang.	*Log. Sin.*	*Log. Tang.*
30	92387.95	241421.36	9.9656153	10.3827757
29	92376.81	241222.83	9.9655630	10.3824185
28	92365.67	241024.65	9.9655106	10.3820615
27	92354.52	240826.72	9.9654582	10.3817047
26	92343.36	240629.06	.9654057	.3813481
25	92332.19	240431.68	.9653532	.3809917
24	92321.02	240234.57	.9653006	.3806355
23	309.84	240037.74	.9652480	.3802795
22	298.65	239841.18	.9651953	.3799238
21	287.45	239644.90	.9651426	.3795682
20	276.24	9448.89	.9650899	.3792128
19	265.03	9253.16	.9650371	.3788577
18	253.81	9057.69	.9649843	.3785027
17	242.58	8862.50	.9649314	.3781480
16	231.34	8667.58	.9648785	.3777934
15	220.09	8472.93	.9648256	.3774391
14	208.84	8278.55	.9647726	.3770850
13	197.58	8084.44	.9647195	.3767310
12	186.31	7890.60	.9646665	.3763773
11	175.03	7697.03	.9646133	.3760237
10	163.75	7503.72	.9645602	.3756704
9	152.46	7310.68	.9645069	.3753173
8	141.16	7117.91	.9644537	.3749644
7	129.85	6925.40	.9644004	.3746116
6	118.54	6733.16	.9643470	.3742591
5	107.22	6541.8	.9642537	.3739068
4	095.89	6349.46	.9642402	.3735546
3	084.55	6158.01	.9641868	.3732027
2	073.20	5966.83	.9641332	.3728509
1	061.85	5775.90	.9640797	.3724994
0	050.49	5585.24	.9640261	.3721481

23. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	39073.11	42447.49	9.5918780	9.6278519
1	39099.89	42481.82	9.5921755	9.6282031
2	39126.66	42516.16	9.5924728	9.6285540
3	39153.43	42550.51	9.5927698	9.6289048
4	180.19	42584.87	. 30666	.6292553
5	206.95	42619.24	. 33631	.6296057
6	233.71	42653.62	. 36594	.6299558
7	260.47	42688.00	. 39555	.6303058
8	287.22	42722.39	. 42513	.6306556
9	313.97	42756.79	. 45469	.6310052
10	340.71	42791.20	. 48422	. 13545
11	367.45	42825.62	. 51373	. 17037
12	394.19	42860.05	. 54322	. 20527
13	420.93	42894.49	. 57268	. 24015
14	447.66	42928.94	. 60212	. 27501
15	474.39	42963.39	. 63154	. 30985
16	501.11	42997.85	. 66093	. 34468
17	527.83	43032.32	. 69030	. 37948
18	554.55	43066.80	. 71965	. 41426
19	581.27	43101.29	. 74897	. 44903
20	607.98	43135.79	. 77827	. 48378
21	634.69	43170.30	. 80754	. 51850
22	661.39	43204.81	. 83679	. 55321
23	688.09	43239.33	. 86602	. 58790
24	714.79	43273.86	. 89523	. 62257
25	741.48	43308.40	. 92441	. 65722
26	768.17	43342.95	. 95357	. 69185
27	794.86	43377.51	. 98271	. 72646
28	821.55	43412.08	.6001181	. 76106
29	848.23	43446.66	.6004090	. 79563
30	874.91	43481.24	.6006997	. 83019

Min.	66. Grad			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	92050.49	235585.24	9.9640261	10.3721481
59	92039.12	235394.83	9.9639724	10.3717969
58	92027.74	235204.69	9.9639187	10.3714460
57	92016.35	235014.81	9.9638650	10.3710952
56	92004.96	4825.19	.9638112	.3707447
55	91993.56	4635.82	.9637574	.3703943
54	91982.15	4446.72	.9637036	.3700442
53	970.73	4257.87	.9636496	.3696942
52	959.31	4069.28	.9635957	.3693444
51	947.88	3880.95	.9635417	.3689948
50	936.44	3692.87	.9634877	.3686455
49	924.99	3505.05	.9634336	.3682963
48	913.53	3317.48	.9633795	.3679473
47	902.07	3130.17	.9633253	.3675985
46	890.60	2943.11	.9632711	.3672499
45	879.12	2756.30	.9632168	.3669015
44	867.63	2569.75	.9631625	.3665532
43	856.14	2383.45	.9631082	.3662052
42	844.64	2197.40	.9630538	.3658574
41	833.13	2011.60	.9629994	.3655097
40	821.61	1826.06	.9629449	.3651622
39	810.08	1640.76	.9628904	.3648150
38	798.55	1455.71	.9628358	.3644679
37	787.01	1270.91	.9627812	.3641210
36	775.46	1086.36	.9627266	.3637743
35	763.90	0902.06	.9626719	.3634278
34	752.34	0718.01	.9626172	.3630815
33	740.77	0534.20	.9625624	.3627354
32	729.19	0350.64	.9625076	.3623894
31	717.60	0167.32	.9624527	.3620437
30	706.01	9984.25	.9623978	.3616981

23. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	39874.91	43481. 24	9.6006997	9.6383019
31	39901.58	43515. 83	9.6009901	9.6386473
32	39928.25	43550.43	9.6012803	9.6389925
33	39954.92	43585.04	9.6015703	9.6393375
34	39981.58	619.66	.6018600	.6396823
35	40008.24	654. 25	.6021495	.6400269
36	40034.90	688. 93	.6024388	.6403714
37	061.56	723. 58	.6027278	.6407156
38	088.21	758. 23	.6030166	.6410597
39	114.86	792. 89	.6033052	.6414036
40	141.50	827.56	.6035963	.6417473
41	168.14	862.24	.6038817	.6420908
42	194.78	896.93	.6041696	.6424342
43	221.41	931. 63	.6044573	.6427773
44	248.64	966. 34	.6047448	.6431203
45	274.67	44001. 06	.6050320	.6434631
46	301.29	44035.78	.6053190	.6438057
47	327.91	44070. 51	.6056057	.6441481
48	354.53	44105. 25	.6058923	.6444903
49	381.14	140. 00	.6061786	.6448324
50	407.75	174. 76	.6064647	.6451743
51	434.36	209. 53	.6067506	.6455160
52	460. 96	244. 31	.6070362	9.6458575
53	487.56	279. 10	.6073216	.6461988
54	514.16	313.90	.6076068	.6465400
55	540.75	348. 71	.6078918	.6468810
56	567.34	383. 53	.6081765	.6472217
57	593.93	418. 35	.6084611	.6475624
58	620.51	453.18	.6087454	.6479028
59	647.09	488. 02	.6090294	.6482431
60	673.66	522. 87	.6093133	.6485831

66. Grad.

Min.	Sinus.	Tang.	Log Sin.	Log. Tang.
30	91706.01	229984.25	9.9623978	10.3616981
29	91694.41	229801.43	9.9623428	10.3613527
28	91682.80	229618.85	9.9622878	10.3610075
27	91671.18	229436.51	9.9622328	10.3606625
26	659.55	229254.42	. 21777	.3603177
25	647.91	229072.57	. 21226	.3599731
24	636.27	228890.96	. 20674	.3596286
23	624.26	228709.59	. 20122	.3592844
22	612.96	228528.46	. 19569	.3589403
21	601.30	228347.58	. 19016	.3585964
20	589.63	228166.93	. 18463	.3582527
19	577.95	227986.53	9.9617909	.3579092
18	566.26	227806.36	. 17355	.3575658
17	554.56	227626.43	. 16800	.3572227
16	542.86	227446.74	. 16245	.3568797
15	531.15	227267.29	. 15689	.3565369
14	519.43	227088.07	. 15133	.3561943
13	507.70	226909.09	. 14576	.3558519
12	495.96	226730.35	. 14020	.3555097
11	484.22	226551.84	. 13463	.3551676
10	472.47	226373.57	. 12904	.3548257
9	460.71	226195.53	. 12346	.3644840
8	448.95	226017.73	. 11787	.3541425
7	437.18	225840.16	. 11228	.3538012
6	425.40	225662.83	. 10668	.3534600
5	413.61	225485.72	. 10108	.3531190
4	401.81	225308.85	. 09548	.3527783
3	390.00	225132.21	. 08987	.3524376
2	378.19	224955.80	. 08426	.3520972
1	366.37	224779.62	. 07864	.3517569
0	354.54	224603.68	. 07302	.3514167

24. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	40673.66	44522.87	9.6093133	9.6485831
1	40700.23	44557.73	9.6095969	9.6489230
2	40726.80	44592.60	9.6098803	9.6492628
3	40753.37	44627.48	9.6101635	9.6496023
4	779.93	44662.37	.6104465	.6499417
5	806.49	44697.27	.6107293	.6502809
6	833.05	44732.17	.6110118	.6506199
7	859.60	44767.08	.6112941	.6509587
8	886.15	44802.00	.6115762	.6512974
9	912.69	44836.93	.6118580	.6516359
10	939.23	44871.87	.6121397	. 19742
11	965.77	44906.82	.6124211	. 23123
12	992.30	44941.78	.6127023	. 26503
13	41018.83	44976.75	. 29833	. 29881
14	41045.36	45011.73	. 32641	. 33257
15	41071.89	45046.72	. 35446	. 36631
16	098.41	45081.72	. 38250	. 40004
17	124.93	45116.73	. 41051	. 43375
18	151.44	45151.74	. 43850	. 46744
19	177.95	45186.76	. 46647	. 50112
20	204.46	45221.79	. 49441	. 53477
21	230.96	45256.83	. 52234	. 56841
22	257.46	45291.88	. 55024	. 60204
23	283.95	45326.94	. 57811	. 63564
24	41310.44	45362.01	. 60598	. 66923
25	336.93	45397.09	. 63382	. 70280
26	363.42	45432.18	. 66164	. 73630
27	389.90	45467.28	9.6168944	. 76989
28	416.38	45502.39	. 71721	. 80341
29	442.85	45537.51	. 74496	. 83692
30	469.32	45572.64	. 77270	. 87041

65.Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	91354.54	224603.68	9.9607302	10.3514169
59	91342.71	224427.96	9.9606739	10.3510770
58	91330.87	224252.47	9.9606176	10.3507372
57	91319.02	224077.21	9.9605612	10.3503977
56	307.16	3902.18	.9605048	.3500583
55	295.29	3727.38	.9604484	.3497191
54	283.42	3552.80	.9603919	.3493801
53	271.54	3378.45	.9603354	.3490413
52	259.65	3204.33	.9602788	.3487026
51	247.75	3030.43	.9602222	.3483641
50	235.84	2856.76	.9601655	.3480258
49	223.93	2683.31	.9601088	.3476877
48	212.01	2510.09	.9600520	.3473497
47	200.08	2337.09	.9599952	.3470119
46	188.14	2164.32	.9599384	.3466743
45	176.20	1991.77	.9598815	.3463369
44	164.25	1819.44	.9598246	.3459996
43	152.29	1647.33	.9597676	.3456625
42	140.32	1475.45	.9597106	.3453256
41	128.35	1303.79	.9596535	.3449888
40	116.37	1132.34	.9595964	.3446523
39	104.38	0961.12	.9595393	.3443159
38	092.38	0790.12	.9594821	.3439796
37	080.38	0619.34	.9594248	.3436436
36	068.37	0448.78	.9593675	.3433077
35	056.35	0278.43	.9593102	.3429720
34	044.32	0108.31	.9592528	.3426364
33	032.28	219938.40	.9591954	.3423011
32	020.24	219768.71	.9591380	.3419659
31	008.19	219599.23	.9590805	.3416308
30	90996.13	219429.97	.9590229	.3412960

24. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	41469.32	45572.64	9.6177270	9.6587041
31	41495.79	45607.77	9.6180041	9.6590387
32	41522.26	45642.91	9.6182809	9.6593733
33	41548.72	45678.06	9.6185576	9.6597076
34	575.18	45713.22	.6188341	.6600418
35	601.63	45748.39	.6191103	.6603758
36	628.08	45783.57	.6193864	.6607097
37	654.53	45818.76	.6196622	.6610434
38	680.97	45853.96	.6199378	.6613769
39	707.41	45889.17	.6202132	.6617103
40	733.85	45924.39	.6204884	. 20434
41	760.28	45959.62	.6207634	. 23765
42	786.71	45994.86	.6210382	. 27093
43	813.13	46030.11	. 13127	. 30420
44	839.55	46065.37	. 15871	. 33745
45	865.97	46100.64	. 18612	. 37069
46	892.39	46135.91	. 21351	. 40391
47	918.80	46171.19	. 24088	. 43711
48	945.21	46206.48	. 26824	. 47030
49	971.61	46241.78	. 29557	. 50346
50	998.01	46277.09	. 32287	. 53662
51	024.41	46312.42	. 35016	. 56975
52	050.80	46347.76	. 37743	. 60288
53	077.19	46383.11	. 40467	. 63598
54	103.58	46418.46	. 43190	. 66907
55	129.96	46453.82	. 45911	9.6670214
56	156.34	46489.19	. 48629	9.6673519
57	182.72	46524.57	. 51346	9.6676823
58	209.09	46559.96	. 54060	. 80126
59	235.46	46595.36	. 56772	. 83426
60	261.83	46630.77	. 59483	. 86725

65. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	90996.13	219429.97	9.9590229	10.3412960
29	90984.06	219260.93	9.9589653	10.3409613
28	90971.98	219092.10	9.9589077	10.3406267
27	90959.90	218923.90	9.9588500	10.3402924
26	90947.81	218755.10	.9587923	.3399582
25	90935.71	218586.91	.9587345	.3396242
24	90923.61	218418.94	.9586767	.3392903
23	911.50	218251.19	.9586188	.3389566
22	899.38	218083.64	.9585609	.3386231
21	887.25	217916.31	.9585030	.3382897
20	875.11	7749.20	.9584450	.3379566
19	862.97	7582.29	.9583869	.3376235
18	850.82	7415.59	.9583288	.3372907
17	838.66	7249.11	.9582707	.3369580
16	826.49	7082.83	.9582125	.3366255
15	814.32	6916.77	.9581543	.3362931
14	802.14	6750.91	.9580961	.3359609
13	789.95	6585.27	.9580378	.3356289
12	777.75	6419.83	.9579794	.3352970
11	765.54	6254.60	.9579210	.3349654
10	753.33	6089.58	.9578626	.3346338
9	741.11	5924.67	.9578041	.3343025
8	728.818	5760.15	.9577456	.3339712
7	716.64	5595.75	.9576870	.3336402
6	704.40	5431.56	.9576284	.3333093
5	692.15	5267.57	.9575697	.3329786
4	679.89	5103.78	.9575110	.3326481
3	667.62	4940.20	.9574522	.3323177
2	655.35	4776.83	.9573934	.3319874
1	643.07	4613.66	.9573346	.3316574
0	630.78	4450.69	.9572757	.3313275

25. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	42261.83	46630.77	9.6259483	9.6686725
1	42288.19	46666.19	9.6262191	9.6690023
2	42314.55	46701.62	9.6264897	9.6693319
3	42340.90	46737.06	9.6267601	9.6696613
4	42367.25	772.51	. 70303	.6699906
5	42393.60	807.97	. 73003	.6703197
6	42419.94	843.43	. 5701	.6706486
7	42446.28	878.90	. 78397	.6709774
8	42472.62	914.38	. 81090	.6713060
9	42498.95	949.88	. 83782	.6716345
10	42525.28	46985.39	. 86472	.6719628
11	42551.61	47020.90	. 89160	.6722910
12	42577.93	47056.43	. 91845	.6726190
13	42604.25	091.96	. 94529	.6729468
14	42630.56	127.51	. 97211	.6732745
15	42656.87	163.06	. 99890	.6726020
16	42683.18	198.63	.6302568	.6739294
17	42709.49	234.20	.6305243	.6742566
18	42735.79	269.78	.6307917	.6745836
19	42762.09	305.38	. 10589	.6749105
20	42788.38	340.98	. 13258	.6752372
21	42814.67	376.59	. 15926	.6755638
22	42840.95	412.22	. 18591	.6758902
23	42867.23	447.85	. 21255	.6762165
24	42893.51	483.49	. 23916	.6765426
25	42919.79	519.14	. 26576	.6768686
26	42946.06	554.81	. 29233	.6771944
27	42972.33	590.48	. 31889	.6775201
28	42998.59	626.16	. 34542	.6778456
29	43024.85	661.85	. 37194	.6781709
30	43051.11	697.55	. 39844	.6784961

64. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	90630.78	214450.69	9.9572757	10.3313275
59	90618.48	214287.93	9.9572168	10.3309977
58	90606.17	214125.37	9.9571578	10.3306681
57	90593.86	213963.01	9.9570988	10.3303387
56	581.54	3800.85	.9570397	.3300094
55	569.21	3638.89	.9569806	.3296830
54	556.88	3477.14	.9569215	.3293514
53	544.54	3315.59	.9568623	.3290226
52	532.19	3154.23	.9568030	.3286940
51	519.83	2993.08	.9567437	.3283655
50	507.46	2832.13	.9566844	.3280372
49	495.09	2671.37	.9566250	.3277090
48	482.71	2510.82	.9565657	.3273810
47	470.32	2350.46	.9565061	.3270532
46	457.92	2190.30	.9564466	.3267255
45	445.51	2030.34	.9563870	.3263980
44	433.10	1870.57	.9563274	.3260706
43	420.68	1711.01	.9562678	.3257434
42	408.25	1551.64	.9562081	.3254164
41	395.82	1392.46	.9561483	.3250895
40	383.38	1233.48	.9560886	.3247628
39	370.93	1074.70	.9560287	.3244362
38	358.47	0916.11	.9559689	.3241097
37	346.00	0757.71	.9559089	.3237825
36	333.53	0599.51	.9558490	.3234574
35	321.05	0441.50	.9557890	.3231314
34	308.56	0283.69	.9557289	.3228056
33	296.06	0126.07	.9556688	.3224799
32	283.56	209968.64	.9556087	.3221544
31	271.05	209811.40	.9555485	.3218291
30	258.53	209654.36	.9554882	.3215039

Min.	25. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	43051. 11	47697.55	9.6339844	9.6784961
31	43077.36	47733.26	9.6342491	9.6788211
32	43103.61	47768.99	9.6345137	9.6791460
33	43129. 6	47804.72	9.6347780	9.6794708
34	43156.10	840,46	. 50422	.6797953
35	43182.34	876.21	. 53062	.6801198
36	43208.57	911.97	. 55699	.6804440
37	43234.80	947.74	. 58335	.6807682
38	43261.03	983.25	. 60969	.6810921
39	43287.26	48019.32	. 63601	.6814160
40	43313.48	48055.12	. 66231	.6817396
41	43339.70	48090.93	. 68859	.6820632
42	43365.19	48126.75	. 71484	.6823865
43	43392.12	162.58	. 74108	.6827098
44	43418.33	198.42	9.6376731	.6830328
45	43444.53	234.27	. 79351	.6833557
46	43470.73	270.14	. 81969	.6836785
47	43496.92	306.01	. 84585	.6840011
48	43523.11	341.89	. 87199	.6843236
49	43549.30	377.78	. 89812	.6846459
50	43575.48	413.68	. 92422	.6849681
51	43601.66	449.59	. 95030	.6852901
52	43627.84	485.52	.6397637	.6856120
53	43654.01	521.45	.6400241	.6859338
54	43680.18	557.39	.6402844	.6862553
55	43706.34	593.34	. 05445	.6865768
56	43732.50	629.31	. 08044	.6868981
57	43758.66	665.28	. 10640	.6872192
58	43784.82	701.26	. 13235	.6875402
59	43810.97	737.26	. 15828	.6878611
60	43837.12	773.26	. 18420	.6881818

64. Grad.

M.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	90258.53	209654.36	9.9554882	10.3215039
29	90246.00	209497.51	9.9554280	10.3211789
28	90233.47	209340.84	9.9553676	10.3208540
27	90220.93	209184.37	9.9553073	10.3205292
26	90208.38	9028.09	. 52469	.3202047
25	90195.82	8872.00	. 51864	.3198803
24	90183.25	8716.10	. 51259	.3195560
23	170.68	8560.39	. 50653	.3192318
22	158.10	8404.86	. 50047	.3189079
21	145.51	8249.53	. 49441	.3185840
20	132.91	8094.38	. 48834	.3182604
19	120.31	7939.42	. 48227	.3179368
18	107.70	7784.65	. 47619	.3176135
17	095.08	7630.07	. 47011	.3172902
16	082.45	7475.67	. 46402	.3169672
15	069.82	7321.46	9.9545793	.3166443
14	057.18	7067.43	. 45184	.3163215
13	044.53	7013.59	. 44574	.3159989
12	031.87	6859.93	. 43963	.3156764
11	019.21	6706.46	. 43352	.3153541
10	006.54	6553.18	. 42741	.3150319
9	993.86	6400.08	. 42129	.3147099
8	981.17	6247.16	. 41517	.3143880
7	968.48	6094.42	. 40904	.3140662
6	955.78	5941.81	. 40291	.3137447
5	943.07	5789.50	. 39677	.3134232
4	930.35	5637.32	. 39063	.3131019
3	917.62	5485.31	. 38448	.3127808
2	904.89	5333.49	. 37833	.3124598
1	892.15	5181.84	. 37218	.3121389
0	879.40	5030.38	. 36602	.3118182

26. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	43837.12	48773.26	9.6418420	9.6881818
1	43863.26	48809.27	9.6421009	9.6885023
2	43889.40	48845.30	9.6423596	9.6888227
3	43915.53	48881.33	9.6426182	9.6891430
4	941.66	48917.37	.6428765	.6894631
5	967.79	48953.43	.6431347	.6897831
6	993.92	48989.49	.6433926	.6901030
7	44020.04	49025.57	.6436504	.6904226
8	44046.16	49061.66	.6439080	.6907422
9	44072.27	49097.75	.6441654	.6910616
10	098.38	49133.86	.6444226	.6913809
11	124.48	49169.97	.6446796	.6917000
12	150.58	49206.10	.6449365	.6920189
13	176.68	49242.24	.6451931	.6923378
14	202.78	49278.38	.6454496	.6926565
15	228.87	49314.54	.6457058	.6929750
16	254.96	49350.71	.6459619	.6932934
17	281.04	49386.89	.6462178	.6936117
18	307.12	49423.08	.6464735	.6939298
19	333.20	49459.28	.6467290	.6942478
20	359.27	49495.49	.6469844	.6945656
21	385.34	49531.71	.6472395	.6948833
22	411.40	49567.94	.6474945	.6952009
23	437.46	49604.18	.6477492	.6955183
24	463.52	49640.43	.6480038	.6958355
25	489.57	49676.69	.6482582	.6961527
26	515.62	49712.97	.6485124	.6964697
27	541.67	49749.25	.6487665	.6967865
28	567.71	49785.54	.6490203	.6971032
29	593.75	49821.85	.6492740	.6974198
30	619.78	49858.16	.6495274	.6977303

63. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	89879.40	205030.38	9.9536602	10.3118182
59	89866.65	204878.10	9.9535985	10.3114977
58	89853.89	204728.00	9.9535369	10.3111773
57	89841.12	204577.08	9.9534751	10.3108570
56	828.34	204426.34	.34134	.3105369
55	815.55	204275.78	.33515	.3102169
54	802.76	204125.40	.32897	.3098970
53	789.96	203975.19	.32278	.3095774
52	777.15	203825.17	.31658	.3092578
51	764.33	203675.32	.31038	.3089384
50	751.51	3525.65	.30418	.3086191
49	738.68	3376.15	.29797	.3083000
48	725.84	3226.83	.29175	.3079811
47	712.99	3077.69	.28553	.3076622
46	700.13	2928.73	.27931	.3073435
45	687.27	2779.94	.27308	.3070250
44	674.40	2631.33	.26685	.3067066
43	661.52	2482.89	.26061	.3063883
42	648.64	2334.62	.25437	.3060702
41	635.75	2186.53	.24813	.3057522
40	622.85	2038.62	.24188	.3054344
39	609.94	1890.88	.23562	.3051167
38	597.01	1743.31	.22936	.3047991
37	584.11	1595.92	.22301	.3044817
36	571.18	1448.69	.21683	.3041645
35	558.24	1301.64	.21055	.3038475
34	545.29	1154.77	.20428	.3035303
33	532.34	1008.06	9.9519799	.3032135
32	519.38	0861.53	.19171	.3028968
31	506.41	0715.16	.18541	.3025802
30	493.43	0568.97	.17912	.3022637

26. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	44619.78	49858.16	9.6495274	9.6977363
31	44645.81	49894.49	9.6497807	9.6980526
32	44671.84	49930.82	9.6500338	9.6983687
33	44697.86	49967.17	9.6502868	9.6986847
34	723.88	50003.52	.6505395	.6990006
35	749.90	50039.89	.6507920	.6993164
36	775.91	50076.27	.6510444	.6996320
37	801.92	50112.66	.6512966	.6999474
38	827.92	50149.06	.6515486	.7002628
39	853.92	50185.47	.6518004	.7005780
40	879.92	50221.89	.6520521	.7008930
41	905.91	50258.32	.6523035	.7012080
42	931.90	50294.76	.6525548	.7015227
43	957.89	50331.21	.6528059	.7018374
44	983.87	50367.67	.6530568	.7021519
45	45900.85	50404.15	.6533075	.7024663
46	45035.82	50440.63	.6535581	.7027805
47	45061.79	50477.13	.6538084	.7030946
48	45087.76	50513.63	.6540586	.7034086
49	113.72	50550.15	.6543086	.7037225
50	139.68	50586.68	.6545584	.7040362
51	165.26	50623.22	.6548081	.7043497
52	191.58	50659.77	.6550575	.7046632
53	217.53	50696.33	.6553068	.7049765
54	243.47	50732.90	.6555559	.7052897
55	269.41	50769.48	.6558048	.7056027
56	295.35	50806.07	.6560536	.7059156
57	321.28	50842.67	6563021	.7062284
58	347.21	50879.28	.6565505	.7065410
59	373.13	50915.91	.6567987	.7068535
60	399.05	50952.54	.6570468	.7071659

63. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	89493.43	200568.97	9.9517912	10.3022637
29	89480.45	200422.95	9.9517282	10.3019474
28	89467.46	200277.10	9.9516651	10.3016313
27	89454.46	200131.42	9.9516020	10.3013153
26	441.45	199985.90	.9515389	.3009994
25	428.44	199840.56	.9514757	.3006836
24	415.42	199695.39	.9514124	.3003680
23	402.39	9550.38	.9513492	.3000526
22	389.36	9405.54	.9512858	.2997372
21	376.32	9260.87	.9512224	.2994220
20	363.27	9116.37	.9511590	.2991070
19	350.21	8972.04	.9510956	.2987920
18	337.14	8827.87	.9510320	.2984773
17	324.06	8683.87	.9509685	.2981626
16	310.98	8540.03	.9509049	.2978481
15	297.89	8396.87	.9508412	.2975337
14	284.79	8252.86	.9507775	.2972195
13	271.69	8109.52	.9507138	.2969054
12	258.58	7966.35	.9506500	.2965914
11	245.46	7823.34	.9505861	.2962775
10	232.33	7680.50	.9505223	.2959638
9	219.20	7537.82	.9504583	.2956503
8	206.06	7395.31	.9503944	.2953368
7	192.91	7252.96	.9503303	.2950235
6	179.75	7110.77	.9502663	.2947103
5	166.59	6968.74	.9502022	.2943973
4	153.42	6826.88	.9501380	.2940844
3	140.24	6685.18	.9500738	.2937716
2	127.05	6543.64	.9500095	.2934590
1	113.85	6402.27	.9499452	.2931465
0	100.65	6261.05	.9498809	.2928341

27. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	45399.05	50952.54	9.6570468	9.7071659
1	45424.97	50989.19	9.6572946	9.7074781
2	45450.88	50025.85	9.6575423	9.7077902
3	45476.79	50062.52	9.6577898	9.7081022
4	502.69	50099.19	.6580371	.7084141
5	528.59	51135.88	.6582842	.7087258
6	554.49	51172.59	.6585312	.7090374
7	580.38	209.30	.6587780	.7093488
8	606.27	246.02	.6590246	.7096601
9	632.16	282.75	.6592710	.7099713
10	658.04	319.50	.6595173	.7002824
11	683.92	356.25	.6597634	.7005933
12	709.79	393.02	.6600093	.7009041
13	735.66	429.80	9.6602550	9.7112148
14	761.53	466.58	.6605005	.7115254
15	787.39	503.38	.6607459	9.7118358
16	813.25	540.29	.6609911	.7121461
17	839.10	577.02	.6612361	.7124562
18	864.95	613.85	.6614810	.7127662
19	890.80	650.69	.6617257	.7130761
20	916.64	687.55	.6619701	.7133859
21	942.48	724.41	.6622145	.7136956
22	968.32	761.29	.6624586	.7140051
23	994.15	798.18	.6627026	.7143145
24	46019.98	835.08	.6629464	.7146237
25	46045.80	871.99	.6631900	.7149329
26	46071.62	908.91	.6634335	.7152419
27	46097.44	945.84	.6636768	.7155508
28	123.25	51982.78	.6639199	.7158595
29	149.06	52019.74	.6641628	.7161682
30	174.16	52056.70	.6644056	.7164767

62. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	89100. 65	196261.05	9.9498809	10.2928341
59	89087. 44	196120.00	9.9498165	10.2925219
58	89074. 22	195979.10	9.9497521	10.2922098
57	89061. 00	195838. 37	9.9496876	10.2918978
56	89047.77	5697.80	. 96230	.2915859
55	89034. 53	5557.39	. 95585	.2912742
54	89021. 28	5417. 13	. 94928	.2909626
53	89008. 02	5277. 04	. 94292	.2906512
52	88994. 76	5137. 11	. 93645	.2903399
51	88981. 49	4997. 33	. 92997	.2900287
50	968. 21	4857. 71	. 92349	.2897176
49	954. 93	4718. 26	. 91700	.2894067
48	941. 64	4578. 96	. 91051	.2890959
47	928. 34	4439. 81	. 90402	.2887852
46	915. 03	4300. 83	9.9489752	.2884746
45	901. 71	4162. 00	. 89101	.2881642
44	888. 39	4023. 33	. 88450	.2878539
43	875. 06	3884. 81	. 87799	.2875438
42	861. 72	3746. 45	. 87147	.2872338
41	848. 37	3608. 25	. 86495	.2869239
40	835. 02	3470. 20	. 85842	.2866141
39	821. 66	3332. 31	. 85189	.2863044
38	808. 29	3194. 57	. 84535	.2859949
37	794. 92	3056. 98	. 83881	.2856855
36	781. 54	2919. 56	. 83227	.2853763
35	768. 15	2782. 28	. 82572	.2850671
34	754. 75	2645. 16	. 81916	.2847581
33	741. 34	2508. 19	. 81260	.2844492
32	727. 93	2371. 38	. 80604	.2841405
31	714. 51	2234. 72	. 79947	.2838318
30	701. 08	2098. 21	. 79289	.2835233

27. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
03	46174.86	52056. 70	9.6644056	9.7164767
31	46200.66	52093. 68	9.6646482	9.7167851
32	46226.46	52130.67	9.6648906	9.7170933
33	46252.25	52167.67	9.6651329	9.7174014
34	278.04	204. 68	.6653749	.7177094
53	303. 82	241. 70	.6656168	.7180173
63	329.60	278. 74	.6658586	.7183251
37	355.38	315.78	.6661001	.7186327
38	381.15	352. 84	.6663415	.7189402
39	406.92	389. 90	.6665828	.7192476
40	432.69	426.98	.6668238	.7195549
41	458.45	464.07	.6670647	.7198620
42	484.21	501.17	.6673054	.7201690
43	509.96	538. 29	.6675459	.7204759
44	535.71	575. 41	.6677863	.7207827
45	561.45	612. 54	.6680265	.7210893
46	587.19	649. 69	.6682665	.7213958
47	912.93	686. 85	.6685064	.7217022
48	638.66	724. 02	.6687461	.7220085
49	664.39	761. 20	.6689856	.7223147
50	690.12	798. 39	.6692250	.7226207
51	715.84	835. 59	.6694642	.7229266
52	741. 56	872. 81	.6697032	.7232324
53	767.27	910. 04	.6699420	.7235381
54	792.98	947.27	.6701807	.7238436
55	818.69	52984. 52	.6704192	.7241490
56	844.39	53021. 78	.6706576	.7244543
57	870.09	53059.06	.6708958	.7247595
58	895.78	53096.34	.6711338	.7250646
59	921.47	53133.64	.6713716	.7253695
60	947.16	53170. 94	.6716093	.7256744

62. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	88701.08	192098.21	9.9479289	10.2835233
29	88687.64	191961.86	9.9478631	10.2832149
28	88674.20	191825.65	9.9477973	10.2829067
27	88660.75	191689.60	9.9477314	10.2825986
26	647.29	1553.70	. 76655	.2822906
25	633.83	1417.95	. 75995	.2819827
24	620.36	1282.36	. 75335	.2816749
23	606.88	1146.91	. 74674	.2813637
22	593.39	1011.62	. 74013	.2810598
21	579.89	0876.47	. 73352	.2807524
20	566.39	0741.47	. 72689	.2804451
19	552.88	0606.63	. 72027	.2801380
18	539.36	0471.93	. 71364	.2798310
17	525.83	0337.38	. 70700	.2795241
16	512.30	0202.99	. 70036	.2792173
15	498.76	190068.74	. 69372	.2789107
14	485.22	189934.64	. 08707	.2786042
13	471.66	9800.68	. 68042	.2782978
12	458.10	9666.88	. 67376	.2779915
11	444.53	9533.22	. 66710	.2776853
10	430.95	9399.71	. 66043	.2773793
9	417.36	9266.34	. 65376	.2770734
8	403.77	9133.13	. 64708	.2767676
7	390.17	9000.06	. 64040	.2764619
6	376.56	8867.13	. 63371	.2761564
5	362.94	8734.36	. 62702	.2758510
4	349.32	8601.72	. 62032	.2755457
3	335.69	8469.24	. 61362	.2752405
2	322.05	8336.90	. 60692	.2749354
1	308.41	8204.70	. 60021	.2746305
0	294.76	8072.65	. 59349	.2743256

28. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	46947.16	53170.94	9.6716093	9.7256744
1	46972.84	53208.26	9.6718468	9.7259791
2	46998.52	53245.59	9.6720841	9.7262837
3	47024.19	53282.93	9.6723213	9.7265881
4	47049.86	320.29	. 25583	.7268925
5	47075.53	357.65	. 27952	.7271967
6	47101.19	395.03	. 30319	.7275008
7	47126.85	432.42	. 32684	.7278048
8	47152.50	469.82	. 35047	.7281087
9	47178.15	507.23	. 37409	.7284124
10	47203.89	544.65	9.6739769	9.7287161
11	47229.44	582.08	. 42128	.7290196
12	47255.08	619.53	. 44485	.7293230
13	47280.71	656.99	. 46840	.7296263
14	47306.34	694.46	. 49194	.7299295
15	47331.97	731.94	. 51546	.7302325
16	47357.59	769.43	. 53896	.7305354
17	47383.21	806.94	. 56245	.7308383
18	47408.82	844.45	. 58592	.7311410
19	47434.43	881.98	. 60937	.7314436
20	47460.04	919.52	. 63281	.7317460
21	47485.64	957.07	. 65623	.7320484
22	47511.24	53994.64	. 67963	.7323506
23	47536.83	54032.21	. 70302	.7326527
24	47562.42	54069.80	. 72640	.7329547
25	47588.01	107.40	. 74975	.7332566
26	47613.59	145.01	. 77309	.7335584
27	47639.17	182.63	. 79642	.7338601
28	47664.74	220.27	. 81972	.7341616
29	47690.31	257.91	. 84301	.7344631
30	47715.88	295.57	. 86629	.7347644

61. Grad

Min.	Sinus.	Tang.	Log Sin.	Log. Tang.
60	88294. 76	188072.65	9.9459349	10.2743256
59	88281.10	187940.74	9.9458677	10.2740209
58	88267.43	187808.98	9.9458005	10.2737163
57	88253.75	187677.36	9.9457332	10.2734119
56	240.07	7545.88	.9456659	.2731075
55	226.38	7414.55	.9455985	.2728033
54	212.68	7283.36	.9455310	.2724992
53	198.98	7152.31	.9454636	.2721952
52	185.27	7021.41	.9453960	.2718913
51	171.55	6890.64	.9453285	.2715876
50	157.82	6760.03	.9452609	.2712839
49	144.09	6629.55	9.9451932	.2709804
48	130.35	6499.21	.9451255	.2706770
47	116.60	6369.02	.9450577	.2703737
46	102.84	6238.96	.9449899	.2700705
45	089.07	6109.05	.9449220	.2697675
44	075.30	5979.28	.9448541	.2694646
43	061.52	5849.65	.9447862	.2691617
42	047.73	5720.15	.9447182	.2688590
41	033.94	5590.80	.9446501	.2685564
40	020.14	5461.59	.9445821	.2682540
39	88006.33	5332.52	.9445139	.2679516
38	87992.51	5203.58	.9444457	.2676494
37	87978.69	5074.79	.9443775	.2673473
36	87964.86	4946.13	.9443092	.2670453
35	951.02	4817.61	.9442409	.2667434
34	937.17	4689.23	.9441725	.2664416
33	923.32	4560.99	.9441041	.2661399
32	909.46	4432.89	.9440356	.2658384
31	895.59	4304.92	.9439671	.2655369
30	881.71	4177.09	.9438985	.2652356

28. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	47715.88	54295.57	9.6786629	9.7347644
31	47741.44	54333.24	9.6788955	9.7350656
32	47767.00	54370.92	9.6791279	9.7353667
33	47792.55	54408.62	9.6793602	9.7356677
34	47818.10	446.32	.6795923	.7359685
35	47843.64	484.04	.6798243	.7362693
36	47869.18	521.77	.6800560	.7365699
37	47894.72	559.51	.6802877	.7368705
38	47920.26	597.26	. 05191	.7371709
39	47945.79	635.03	. 07504	.7374712
40	47971.31	672.81	. 09816	.7377714
41	47996.83	710.60	. 12126	.7380715
42	48022.35	748.40	. 14434	.7383714
43	48047.86	786.21	. 16741	.7386713
44	48073.37	824.04	. 19046	.7389710
45	48098.88	861.88	. 21349	.7392707
46	48124.38	899.73	. 23651	.7395702
47	48149.88	937.59	. 25952	.7398696
48	48175.37	54975.46	. 28250	.7401689
49	48200.86	55013.35	. 30548	.7404681
50	48226.34	55051.25	. 32843	.7407672
51	48251.82	55089.16	. 35137	.7410662
52	48277.30	55127.08	. 37430	.7413650
53	48302.77	165.02	9.6839720	.7416638
54	48328.24	202.97	. 42010	.7419624
55	48353.70	240.93	. 44297	.7422609
56	48379.16	278.90	. 46583	.7425594
57	48404.62	316.88	. 48868	.7428577
58	48430.07	354.88	. 51151	.7431559
59	48455.52	392.88	. 53432	.7434540
60	48480.96	430.90	. 55712	.7437520

61. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	87881.71	184177.09	9.9438985	10.2652356
29	87867.83	184049.39	9.9438299	10.2649344
28	87853.94	183921.84	9.9437612	10.2646333
27	87840.04	183794.42	9.9436925	10.2643323
26	826.13	3667.13	.9436238	.2640315
25	812.22	3539.99	.9435549	.2637307
24	798.30	3412.97	.9434861	.2634301
23	784.37	3286.10	.9434172	.2631295
22	770.43	3159.36	.9433482	.2628291
21	756.49	3032.75	.9432792	.2625288
20	742.54	2906.28	.9432102	.2622286
19	727.58	2779.94	.9431411	.2619285
18	714.61	2653.74	.9430720	.2616286
17	700.64	2527.67	.9430028	.2613287
16	686.66	2401.73	.9429335	.2610290
15	672.67	2275.93	.9428643	.2067293
14	658.68	2150.26	.9427949	.2604298
13	644.68	2024.73	.9427255	.2601304
12	630.67	1899.32	.9426561	.2589311
11	616.65	1774.05	.9425866	.2595319
10	602.62	1648.92	.9425171	.2592328
9	588.59	1523.91	.9424476	.2589338
8	574.55	1399.04	.9423779	.2586350
7	560.50	1274.30	.9423082	.2583362
6	546.45	1149.69	.9422386	.2580376
5	532.39	1025.21	.9421688	.2577391
4	518.32	0900.86	.9420990	.2574406
3	504.24	0776.64	.9420291	.2571423
2	490.16	0652.56	.9419592	.2568441
1	476.07	0528.60	.9418893	.2565460
0	461.97	0404.78	.9418193	.2562480

29. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	48480.96	55430.90	9.6855712	9.7437520
1	48506.40	55468.94	9.6857991	9.7440499
2	48531.84	55506.98	9.6860267	9.7443476
3	48557.27	55545.04	9.6862542	9.7446453
4	582.70	583.11	.6864816	9.7449428
5	608.12	621.19	.6867088	.7452403
6	633.54	659.29	.6869359	.7455376
7	658.95	697.39	.6871628	.7458349
8	684.36	735.51	.6873895	.7461320
9	709.77	773.64	.6876161	.7464290
10	735.17	811.79	.6878425	.7467259
11	760.57	849.94	.6880688	.7470227
12	785.97	888.11	.6882949	.7473194
13	811.36	926.29	.6885209	.7476160
14	836.74	964.48	.6887467	.7479125
15	862.12	56002.69	.6889723	.7482089
16	887.50	56040.91	.6891978	.7485052
17	912.87	56079.14	.6894232	.7488013
18	938.24	56117.38	.6896484	.7490974
19	963.61	155.64	.6898734	.7493934
20	988.97	193.91	.6900983	.7496892
21	49014.33	232.19	.6903231	.7499850
22	49039.68	270.48	.6905476	.7502806
23	49065.03	308.79	.6907721	.7505762
24	49090.37	347.10	.6909964	.7508716
25	115.71	385.43	.6912205	.7511669
26	141.05	423.78	.6914445	.7514622
27	166.37	462.13	.6916683	.7517573
28	191.71	500.50	.6918919	.7520523
29	217.04	538.88	.6921155	.7523472
30	242.36	577.28	.6923388	.7526420

60. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	87461. 97	180404. 78	9.9418193	10.2562480
59	87447. 86	180281. 08	9. 9417492	10.2559501
58	87433. 75	180157. 51	9.9416791	10.2556524
57	87419. 63	180034. 08	9.9416090	10.2553547
56	405. 50	179910. 77	. 15388	.2550572
55	391. 36	179787. 59	9.9414685	.2547597
54	377. 22	179664. 54	. 13982	.2544624
53	363. 07	9541. 62	. 13279	.2541651
52	348. 91	9418. 83	. 12575	.2538680
51	334. 75	9296. 16	. 11871	.2535710
50	320. 58	9173. 62	. 11166	.2532741
49	306. 40	9051. 21	. 10461	.2529773
48	292. 21	8928. 93	. 09755	.2526806
47	278. 01	8806. 78	. 09048	.2523840
46	263. 81	8684. 75	. 08342	.2520875
45	249. 60	8562. 85	. 07634	.2517911
44	235. 38	8441. 07	. 06927	.2514948
43	221. 16	8319. 43	. 06219	.2511987
42	206. 93	8197. 90	. 05510	.2509026
41	192. 69	8076. 51	. 04801	.2506066
40	178. 44	7955. 24	. 04091	.2503108
39	164. 19	7834. 09	. 03381	.2500150
38	149. 93	7713. 07	. 02670	.2497194
37	135. 66	7592. 18	. 01959	.2494238
36	121. 38	7471. 41	. 01248	.2491284
35	107. 10	7350. 76	.9400535	.2488331
34	092. 81	7230. 24	.4399823	.2485378
33	078. 5	7109. 85	.4399110	.2482427
32	064. 20	6989. 58	. 98396	.2479477
31	049. 89	6869. 43	. 97662	.2476528
30	035. 57	6749. 40	. 96968	2473580

29. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	49242.36	56577.28	9.6923388	9.7526420
31	49267.67	56615.68	9.6925620	9.7529368
32	49292.98	56654.10	9.6927851	9.7532314
33	49318.29	56692.53	9.6930080	9.7535259
34	343.59	730.98	. 32308	. 38203
35	368.89	769.44	. 34534	. 41146
36	394.19	807.91	. 36758	. 44088
37	419.48	846.39	. 38981	. 47029
38	444.77	884.88	. 41203	. 49969
39	470.05	923.39	. 43423	. 52908
40	495.33	56961.91	. 45642	. 55846
41	520.60	57000.45	. 47859	. 58783
42	545.87	57038.99	. 50074	. 61718
43	571.13	57077.55	. 52288	. 64653
44	596.39	57116.12	. 54501	. 67587
45	621.65	57154.71	. 56712	. 70520
46	646.90	193.31	. 58922	. 73452
47	672.15	231.92	. 61130	. 76383
48	697.40	270.54	. 63336	. 79313
49	722.64	309.18	. 65541	. 82242
50	747.87	347.83	. 67745	. 85170
51	773.10	386.49	. 69947	. 88096
52	798.33	425.16	. 72148	. 91022
53	823.55	463.85	. 74347	. 93947
54	848.77	502.55	. 76545	. 96871
55	873.99	541.20	. 78741	9.7599794
56	899.20	579.99	9.6980936	9.7602716
57	924.41	618.73	. 83129	9.7605637
58	949.61	657.48	. 85321	. 08557
59	974.84	696.25	. 87511	. 11476
60	50000.00	735.03	. 89700	. 14394

60. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	87035.57	176749.40	9.9396968	10.2473580
29	87021.24	176629.50	9.9396253	10.2470632
28	87006.90	176509.72	9.9395537	10.2467686
27	86992.56	176390.07	9.9394821	10.2464741
26	86978.21	6270.53	. 94105	.2461797
25	86963.85	6151.12	. 93388	.2458854
24	86949.49	6031.83	. 92671	.2455912
23	935.12	5912.67	. 91953	.2452971
22	920.74	5793.62	. 91234	.2450031
21	906.35	5674.70	. 90515	.2447092
20	891.96	5555.90	. 89796	.2444154
19	877.56	5437.22	. 89076	.2441217
18	863.15	5318.66	. 88356	.2438282
17	848.73	5200.23	. 87635	.2435347
16	834.31	5081.91	. 86914	.2432413
15	819.88	4963.71	. 86192	.2429480
14	805.44	4845.64	. 85470	.2426548
13	791.00	4727.68	. 84747	.2423617
12	776.55	3609.84	. 84024	.2420687
11	762.09	4492.13	. 83300	.2417758
10	747.62	4374.53	. 82576	.2414830
9	733.14	4257.05	. 81851	.2411904
8	718.66	4139.69	. 81126	.2408978
7	704.17	4022.45	. 80400	.2406053
6	689.67	4905.33	. 79674	.2403129
5	675.17	3788.33	. 78947	.2400206
4	660.66	3671.44	. 78220	.2397284
3	646.14	3554.68	9.93 77492	.2394363
2	631.61	3438.03	. 76764	.2391443
1	617.08	3321.49	. 76035	.2388524
0	602.54	3205.08	. 75306	.2385606

30. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	50000.00	57735.03	9.6989700	9.7614394
1	50025.19	57773.82	9.6991887	9.7617311
2	50050.38	57812.62	9.6994073	9.7620227
3	50075.56	57851.44	9.6996258	9.7623142
4	100.74	57890.27	.6998441	. 26056
5	125.91	57929.11	.7000622	. 28969
6	151.08	57967.97	.7002802	. 31881
7	176.24	58006.84	. 04981	. 34792
8	201.40	58045.73	. 07158	. 37702
9	226.55	58084.62	. 09334	9.7640612
10	251.70	58123.53	. 11508	9.7643520
11	276.85	58162.45	. 13681	. 46427
12	301.99	58201.39	. 15852	. 49334
13	327.13	58240.34	. 18022	. 52239
14	352.27	58279.30	. 20190	. 55143
15	377.40	58318.28	. 22357	. 58047
16	402.53	58357.27	. 24523	. 60949
17	427.65	58396.27	9.7026687	. 63851
18	452.77	58435.28	. 28849	. 66751
19	477.88	58474.31	. 31011	. 69651
20	502.99	58513.35	. 33170	. 72550
21	528.09	58552.41	. 35329	. 75448
22	553.19	58591.48	. 37486	. 78344
23	578.28	58630.56	. 39641	. 81240
24	603.37	58669.65	. 41795	. 84135
25	628.46	58708.76	. 43947	. 87029
26	653.55	58747.88	. 46099	. 89922
27	678.63	58787.02	. 48248	. 92814
28	703.70	58826.17	9.70 50397	. 95705
29	728.77	58865.33	. 52543	. 98596
30	753.84	58904.50	. 54689	.7701485

59. Grad.

	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	86602.54	173205.08	9.9375306	10.2385600
59	86587.99	173088.78	9.9374577	10.2382689
58	86573.43	172972.60	9.9373847	10.2379773
57	86558.87	172856.54	9.9373116	10.2376858
56	544.30	2740.60	.9372385	.2373944
55	529.72	2624.77	.9371653	.2371031
54	515.14	2509.05	.9370921	.2368119
53	500.55	2393.45	.9370189	.2365208
52	485.95	2277.97	.9369456	.3262298
51	471.34	2162.61	.9368722	.2359388
50	456.73	2047.36	.9367988	.2356480
49	442.11	1932.22	.9367254	.2353573
48	427.48	1817.20	.9366519	.2350666
47	412.84	1702.30	.9365783	.2347761
46	398.20	1587.51	.9365047	.2344857
45	383.55	1472.83	.9364311	.2341953
44	368.89	1358.27	.9363574	.2339051
43	354.23	1243.82	.9362836	.2336149
42	339.56	1129.49	.9362098	.2333249
41	324.88	1015.17	.9361360	.2330349
40	310.19	0901.16	.9360621	.2327450
39	295.49	0787.17	.9359881	.2324552
38	280.79	0673.29	.9359141	.2321656
37	266.08	0559.53	.9358401	.2318760
36	251.36	0445.87	.9357660	.2315865
35	236.64	0332.33	.9356918	.2312971
34	221.91	0218.90	.9356177	.2310078
33	207.17	0105.59	.9355434	.2307186
32	192.43	169992.38	.9354691	.2304295
31	177.68	169879.29	.9353948	.2301404
30	85162.92	169766.31	.9353204	.2398515

30. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	50753.84	58904.50	9.7054689	9.7701485
31	50778.90	58943.69	9.7056833	9.7704373
32	50803.96	58982.89	9.7058975	9.7707261
33	50829.01	59022.11	9.7061116	9.7710147
34	854.06	59061.34	. 63256	.7713033
35	879.10	59100.58	. 65394	.7715917
36	904.14	59139.83	. 67531	.7718801
37	929.18	59179.10	. 69667	.7721684
38	954.21	59218.39	. 71801	.7724566
39	50979.24	59257.68	. 73933	.7727447
40	51004.26	59296.99	. 76064	.7730327
41	51029.28	59336.32	. 78194	.7733206
42	51054.29	59375.66	. 80323	.7736084
43	079.30	59415.01	. 82450	.7738961
44	104.31	59454.37	9.7084575	.7741838
45	129.31	59493.75	. 86699	.7744713
46	154.31	59533.14	. 88822	.7747588
47	179.30	59572.54	. 90943	.7750462
48	204.29	59611.96	. 93063	.7753334
49	229.27	59651.40	. 95182	.7756206
50	254.25	59690.84	. 97299	.7759077
51	279.22	59730.30	. 99415	.7761947
52	304.19	59769.78	.7101529	.7764816
53	329.16	59809.27	.7103642	.7767685
54	354.12	59848.77	.7105753	.7770552
55	379.08	59888.28	. 07863	.7773418
56	404.04	59927.81	. 09972	.7776284
57	428.99	59967.35	. 12080	.7779149
58	453.93	60006.91	. 14186	.7782012
59	478.87	60046.48	. 16290	.7784875
60	503.81	60086.06	. 18393	.7787737

59. Grad.

	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	86162.92	169766.31	9.9353204	10.2298515
29	86148.15	169655.44	9.9352459	10.2295627
28	86133.37	169540.69	9.9351715	10.2292739
27	86118.59	169428.04	9.9350969	10.2289853
26	103.80	9315.50	. 50223	.2286967
25	089.00	9203.08	. 49477	.2284083
24	074.20	9090.77	. 48730	.2281199
23	059.39	8978.56	. 47983	.2278316
22	044.57	8866.47	. 47235	.2275434
21	029.74	8754.49	. 46486	.2272553
20	014.91	8642.61	. 45738	.2269673
19	86000.07	8530.85	. 44988	.2266794
18	85985.22	8419.19	. 44238	.2263916
17	85970.37	8307.65	. 43488	.2261039
16	85955.51	8196.21	. 42737	.2258162
15	940.64	8084.89	9.9341986	.2255287
14	925.76	7973.67	. 41234	.2252412
13	910.88	7862.56	. 40482	.2249538
12	895.99	7751.56	. 39729	.2246666
11	881.09	7640.67	. 38976	.2243794
10	866.18	7529.88	. 38222	.2240923
9	851.27	7419.21	. 37467	.2238053
8	836.35	7308.64	. 36713	.2235184
7	821.42	7198.18	. 35957	.2232315
6	806.49	7087.82	. 35201	.2229448
5	791.55	6977.58	. 34445	.2226587
4	776.60	6867.44	. 33688	.2223716
3	761.64	6757.14	. 32931	.2220851
2	746.68	6647.48	. 32173	.2217988
1	731.71	6537.66	. 31415	.2215125
0	716.73	6427.95	. 30656	.2212263

31. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	51503.81	60086.06	9.7118393	9.7787737
1	51528.74	60125.66	9.7120495	9.7790599
2	51553.67	60165.27	9.7122596	9.7793459
3	51578.59	60204.90	9.7124695	9.7796318
4	603.51	60244.54	.7126792	.7799177
5	628.42	60284.19	.7128889	.7802033
6	653.33	60323.86	.7130983	.7804891
7	678.24	60363.54	.7133077	.7807747
8	703.14	60403.23	.7135169	.7810602
9	728.04	60442.94	.7137260	.7813456
10	752.93	60482.66	.7139349	.7816309
11	777.82	60522.40	.7141437	.7819162
12	802.70	60562.15	.7143524	.7822013
13	827.58	60601.92	.7145609	.7824864
14	852.46	60641.70	.7147693	.7827713
15	877.33	60681.49	9.7149776	.7830562
16	902.19	60721.30	.7151857	.7833410
17	927.05	60761.12	.7153937	.7836258
18	951.91	60800.95	.7156015	.7839104
19	51976.76	60840.80	.7158092	.7841949
20	52001.61	60880.67	.7160168	.7844794
21	52026.46	60920.54	.7162243	.7847638
22	051.30	60960.43	.7164316	.7850481
23	076.13	61000.34	.7166387	.7853323
24	100.96	61040.26	.7168458	.7856164
25	125.79	61080.19	.7170526	.7859004
26	150.61	61120.14	.7172594	.7861844
27	175.43	61160.11	.7174660	.7864682
28	200.24	61200.08	.7176725	.7867520
29	225.05	61240.07	.7178789	.7870357
30	249.86	61280.08	.7180851	.7873193

58. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	85716. 73	166427.95	9.9330656	10.2212263
59	85701. 74	166318.34	9.9329897	10.2209401
58	85686. 75	166208.84	9.9329137	10.2206541
57	85671. 75	166099.45	9.9328376	10.2203682
56	656. 74	5990.16	. 27616	.2200823
55	641. 73	5880.97	. 26854	.2197966
54	626. 71	5771.89	. 26092	.2195109
53	611. 68	5662. 92	. 25330	.2192253
52	596. 64	5554. 05	. 24567	.2189398
51	581. 60	5445. 29	. 23804	.2186544
50	566. 55	5336.63	. 23040	.2183691
49	551. 49	5228. 08	. 22276	.2180838
48	536. 42	5119. 63	. 21511	.2177987
47	521. 35	5011. 28	. 20746	.2175136
46	506. 27	4903. 04	. 19980	.2172287
45	491. 18	4794. 90	9.9319213	.2169438
44	476. 09	4686. 86	9.9318447	.2166590
43	460. 99	4578. 93	. 17679	.2163742
42	445. 88	4471. 11	. 16911	.2160896
41	430. 76	4363. 38	. 16143	.2158051
40	415. 64	4255. 76	. 15374	.2155206
39	400. 51	4148. 24	. 14605	.2152362
38	385. 37	4040. 82	. 13835	.2149519
37	370. 23	3933. 51	. 13065	.2146677
36	355. 08	3826. 30	. 12294	.2143836
35	339. 92	3719. 19	. 11522	.2140996
34	324. 75	3612. 18	. 10750	.2138156
33	309. 58	3505. 28	. 09978	.2135318
32	294. 40	3398. 47	. 09205	.2132480
31	279. 21	3291. 77	. 08432	.2129643
30	264. 02	3185. 17	. 07658	.2126807

31. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	52249.86	61280.08	9.7180851	9.7873193
31	52274.66	61320.10	9.7182912	9.7876028
32	52299.45	61360.13	9.7184971	9.7878863
33	52324.24	61400.18	9.7187030	9.7881696
34	349.03	440.24	.7189086	.7884529
35	373.81	480.32	.7191142	.7887361
36	398.59	520.41	.7193196	.7890192
37	423.36	560.52	.7195249	.7893023
38	448.13	600.64	.7197300	.7895852
39	472.90	640.77	.7199350	.7898681
40	497.66	680.92	.7201399	.7901508
41	522.41	721.08	.7203447	.7904335
42	547.16	761.26	.7205493	.7907161
43	571.91	801.45	.7207538	.7909987
44	596.65	841.66	.7209581	.7912811
45	621.39	881.88	9.7211623	.7915635
46	646.12	922.11	.7213664	.7918458
47	670.85	61962.36	.7215704	.7921280
48	695.58	62002.63	.7217742	.7924101
49	720.30	62042.91	.7219779	.7926921
50	745.02	62083.20	.7221814	.7929741
51	769.73	123.51	.7223848	.7932560
52	794.44	163.83	.7225881	.7935378
53	819.14	204.17	.7227913	.7938195
54	843.84	244.52	.7229943	.7941011
55	868.53	284.88	9.7231972	.7943827
56	893.22	325.26	.7234000	.7946641
57	917.90	365.66	.7236026	.7949455
58	942.58	406.07	.7238051	.7952268
59	967.26	446.50	.7240075	.7955081
60	991.93	486.94	.7242097	.7957892

58. Grad.

M.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	85264. 92	163185.17	9.9307658	10.2126807
29	85248. 81	163078.67	9.9306883	10.2123972
28	85233. 60	162972.27	9.9306109	10.2121137
27	85218. 38	162865.97	9.9305333	10.2118304
26	203. 16	2759.77	. 04557	.2115471
25	187. 93	2653.68	. 03781	.2112639
24	172. 69	2547.68	. 03004	.2109808
23	157. 44	2441.78	. 02226	.2106977
22	142. 19	2335. 99	. 01448	.2104148
21	126. 93	2230. 29	. 00670	.2101319
20	111. 66	2124. 69	.9299891	.2098492
19	096. 39	2019. 20	.9299112	.2095665
18	081. 11	1913. 80	.9298332	.2092839
17	065. 82	1808. 50	. 97551	.2090013
16	050. 52	1703. 30	. 96770	.2087189
15	035. 22	1598. 20	. 95989	.2084365
14	019. 91	1493. 20	9.9295207	.2081542
13	85004. 59	1388. 29	. 94424	.2078720
12	84989. 27	1283. 49	. 93641	.2075899
11	84973. 94	1178. 78	. 92857	.2073079
10	84958. 60	1074. 17	. 92073	.2070259
9	943. 25	0969. 66	. 91289	.2067440
8	927. 90	0865. 25	. 90504	.2064622
7	912. 54	0760. 94	. 89718	.2061805
6	897. 17	0656. 72	. 88932	.2058989
5	881. 79	0552. 60	. 88145	.2056173
4	866. 41	0448. 58	9.9287358	.2053359
3	851. 02	0344. 65	. 86571	.2050545
2	835. 62	0240. 82	. 85783	.2047732
1	820. 22	0137. 09	. 84994	.2044919
0	804. 81	0033. 45	. 84205	.2042108

32. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	52991.93	62486.94	9.7242097	9.7957892
1	53016.59	62527.39	9.7244118	9.7960703
2	53041.25	62567.86	9.7246138	9.7963513
3	53065.91	62608.34	9.7248156	9.7966322
4	53090.56	648.84	.7250174	.7969130
5	53115.21	689.35	. 52189	.7971938
6	53139.86	729.88	. 54204	.7974745
7	53164.50	770.42	. 56217	.7977551
8	53189.13	810.98	. 58229	.7980356
9	53213.76	851.56	. 60240	.7983160
10	53238.39	892.15	. 62249	.7985964
11	53263.01	932.75	. 64257	.7988767
12	53287.63	973.36	. 66264	.7991569
13	53312.24	63013.99	. 68269	.7994370
14	53336.85	63054.64	9.7270273	9.7997170
15	53361.45	63095.30	. 72276	.7999970
16	53386.05	135.98	. 74278	.8002769
17	53410.64	176.67	. 76278	.8005567
18	53435.23	217.38	. 78277	.8008365
19	53459.82	258.10	. 80275	.8011161
20	53484.40	298.83	. 82271	.8013957
21	53508.98	339.58	. 84267	.8016752
22	53533.55	380.35	. 86260	.8019546
23	53558.12	421.13	. 88253	.8022340
24	53582.68	461.93	. 90244	.8025133
25	53607.24	502.74	. 92234	.8027925
26	53631.79	543.57	. 94223	.8030716
27	53656.34	584.41	. 96211	.8033506
28	53680.88	625.27	9.7298197	.8036296
29	53705.42	666.14	.7300182	.8039085
30	53729.96	707.03	.7302165	.8041873

57. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	84804. 81	160033.45	9.9284205	10.2042108
59	84789. 39	159929.91	9.9283415	10.2039297
58	84773. 96	159826.47	9.9282625	10.2036487
57	84758.53	159723.12	9.9281834	10.2033678
56	743. 09	9619.87	. 81043	.2030870
55	727. 64	9516.72	. 80251	.2028062
54	712. 19	9413.66	. 79459	.2025255
53	696. 73	9310.70	. 78666	.2022449
52	681. 26	9207. 83	. 77873	.2019644
51	665 78	9105 05	. 77079	.2016840
50	650. 30	9002. 38	. 76285	.2014036
49	634. 81	8899. 79	. 75490	.2011233
48	619. 31	8497. 30	. 74695	.2008431
47	603. 81	8694. 91	. 73899	.2005630
46	588. 30	8592. 61	. 73103	.2002830
45	572. 78	8490. 41	9.9172306	.2000030
44	557. 25	8388. 30	. 71509	1997231
43	541. 72	8286. 28	. 70711	.1994433
42	526. 18	8184. 36	. 69913	.1991635
41	510. 63	8082. 53	. 69114	.1988839
40	495. 08	7980. 79	. 68314	.1986043
39	479. 52	7879. 15	. 67514	.1983248
38	463. 95	7777. 60	. 66714	.1980454
37	448. 37	7676. 15	. 65913	.1977660
36	432. 79	7574. 79	. 65112	.1974867
35	417. 20	7473. 52	. 64310	.1972075
34	401. 60	7372. 34	. 63507	.1969284
33	386. 00	7271. 26	. 62704	.1966494
32	370. 39	7170. 26	. 61901	.1963704
31	354. 77	7069. 36	9.9261096	.1960915
30	339. 14	6968. 56	. 60292	.1958127

32. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	53729. 96	63707. 02	9.7302165	9.8041873
31	53754. 49	63747. 93	9.7304148	9.8044661
32	53779. 02	63788. 85	9.7306129	9.8047447
33	53803. 54	63829. 78	9.7308109	9.8050233
34	828. 06	870. 73	. 10087	. 53019
35	852. 57	911. 69	. 12064	. 55803
36	877. 08	952. 67	. 14040	. 58587
37	901. 58	63993. 66	. 16015	. 61370
38	926. 08	64034. 67	. 17989	. 64152
39	950. 58	64075. 69	. 19961	. 66933
40	975. 07	64116. 73	. 21932	. 69714
41	999. 55	157. 79	. 23902	. 72494
42	54024. 03	198. 86	. 25870	. 75273
43	54048. 51	239. 95	. 27837	. 78052
44	54072. 98	281. 05	. 29803	. 80829
45	097. 45	322. 16	. 31768	. 83606
46	121. 91	363. 29	. 33731	. 86383
47	146. 37	404. 44	. 35693	. 89158
48	170. 82	445. 60	. 37654	. 91933
49	195. 27	486. 78	. 39614	. 94707
50	219. 71	527. 97	. 41572	.8097480
51	244. 15	569. 18	. 43529	.8100253
52	268. 59	610. 41	. 45485	.8103025
53	293. 02	651. 65	. 47440	.8105796
54	317. 44	692. 90	. 49393	. 08566
55	341. 86	734. 17	9.7351345	. 11336
56	366. 28	775. 46	. 53296	. 14105
57	390. 69	816. 76	. 55246	. 16873
58	415. 10	858. 08	. 57195	. 19641
59	439. 50	899. 41	. 59142	. 22408
60	463. 90	940. 76	. 61088	. 25174

57. Grad.

Min.	Sinus.	Tang.	Log Sin.	Log. Tang.
30	84339.14	156968.56	9.9260292	10.1958127
29	84323.51	156867.84	9.9259487	10.1955339
28	84307.87	156767.22	9.9258681	10.1952553
27	84292.22	156666.69	9.9257875	10.1949767
26	276.57	6566.25	.9257069	.1946981
25	260.91	6465.90	.9256261	.1944197
24	245.24	6365.64	.9255454	.1941413
23	229.56	6265.48	.9254646	.1938630
22	213.88	6165.40	.9253837	.1935848
21	198.19	6065.42	.9253028	.1933067
20	182.49	5965.52	.9252218	.1930286
19	166.79	5865.72	.9251408	.1927506
18	151.08	5766.01	.9250597	.1924727
17	135.36	5666.39	.9249786	.1921948
16	119.63	5566.85	.9248974	.1919171
15	103.90	5467.41	.9248161	.1916394
14	088.16	5368.06	.9247349	.1913617
13	072.41	5268.80	.9246535	.1910842
12	056.66	5169.63	.9245721	.1908067
11	040.90	5070.54	.9244907	.1905293
10	025.13	4971.55	.9244092	.1902520
9	009.35	4872.64	.9243277	.1899747
8	83993.57	4773.83	.9242461	.1896975
7	83977.78	4675.10	.9241644	.1894204
6	83961.98	4576.46	.9240827	.1891434
5	946.18	4477.92	.9240010	.1888664
4	930.37	4379.46	.9239191	.1885895
3	914.55	4281.08	.9238373	.1883127
2	898.73	4182.80	.9237554	.1880359
1	882.90	4084.60	.9236734	.1877592
0	867.06	3986.50	.9235914	.1874826

33. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	54463.90	64940.76	9.7361088	9.8125174
1	54488.30	64982.12	9.7363032	9.8127939
2	54512.69	65023.50	9.7364976	9.8130704
3	54537.07	65064.90	9.7366918	9.8133468
4	561.45	106.31	.7368859	.8136231
5	585.83	147.74	.7370799	.8138993
6	610.20	189.18	.7372737	9.8141755
7	634.56	230.64	.7374675	.8144516
8	658.92	272.11	.7376611	.8147277
9	683.28	313.60	.7378546	.8150036
10	707.63	355.11	.7380479	.8152795
11	731.98	396.63	.7382412	.8155554
12	756.32	438.17	.7384343	.8158311
13	780.66	479.72	9.7386273	.8161068
14	804.99	521.29	9.7388201	.8163824
15	829.32	562.87	9.7390129	.8166580
16	853.65	604.47	.7392055	.8169335
17	877.97	646.09	.7393980	.8172089
18	902.28	687.72	.7395904	.8174842
19	926.59	729.37	.7397827	.8177595
20	950.90	771.03	.7399748	.8180347
21	975.20	812.71	.7401668	.8183098
21	54999.50	854.41	.7403587	.8185849
23	55023.79	896.12	.7405505	.8188599
24	55048.08	937.85	.7407421	.8191348
25	072.36	65979.59	.7409337	.8194096
26	096.64	66021.35	.7411251	.8196844
27	120.91	66063.13	.7413164	.8199592
28	145.48	66104.92	.7415075	.8202338
29	169.44	66146.73	.7416986	.8205084
30	193.70	66188.56	.7418895	.8207829

56. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	83867.06	153986.50	9.9235914	10.1874826
59	83851.21	153888.48	9.9235093	10.1872061
58	83835.36	153790.55	9.9234272	10.1869296
57	83819.50	153692.70	9.9233450	10.1866532
56	803.63	3594.94	.9232628	.1863769
55	787.75	3497.27	.9231805	.1861007
54	771.87	3399.69	.9230982	.1858245
53	755.98	3302.20	.9230158	.1855484
52	740.08	3204.79	.9229334	.1852723
51	724.18	3107.47	.9228509	.1849964
50	708.27	3010.23	.9227684	.1847205
49	692.35	2913.08	.9226858	.1844446
48	676.43	2816.02	.9226032	.1841689
47	660.50	2719.04	.9225205	.1838932
46	644.56	2622.15	.9224377	.1836176
45	628.61	2525.35	.9223549	.1833420
44	612.66	2428.63	9.9222721	.1830665
43	596.70	2332.00	.9221891	.1827911
42	580.73	2235.45	.9221062	.1825158
41	564.76	2138.99	.9220232	.1822405
40	548.78	2042.61	.9219401	.1819653
39	532.79	1946.32	.9218570	.1816902
38	516.80	1850.12	.9217738	.1814151
37	500.80	1754.00	.9216906	.1811401
36	484.79	1657.96	.9216073	.1808652
35	468.77	1562.01	.9215240	.1805904
34	452.75	1466.14	.9214406	.1803156
33	436.72	1370.36	.9213572	.1800408
32	420.68	1274.66	.9212737	.1797662
31	404.63	1179.05	.9211902	.1794916
30	388.58	1083.52	.9211066	.1792171

33. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	55193.70	66188. 56	9.7418895	9.8207829
31	55217.95	66230. 40	9.7420803	9.8210574
32	55242.20	66272. 26	9.7422710	9.8213317
33	55266.45	66314. 13	9.7424616	9.8216060
34	290.69	356.02	.7426520	.8218803
35	314.92	397.92	.7428423	.8221545
36	339.15	439. 84	.7430325	.8224286
37	363.38	481.78	.7432226	.8227026
38	387.60	523. 73	.7434126	.8229766
39	411.82	565. 70	.7436024	.8232505
40	436.03	607.69	.7437921	.8235244
41	55460.24	649.69	.7439817	.8237981
42	484.44	691.71	.7441712	.8240719
43	508.64	733. 75	.7443606	.8243455
44	532.83	775. 80	.7445498	.8246191
45	557.02	817. 87	9.7447390	.8248926
46	581 21	859. 95	9.7449280	.8251660
47	605.39	902. 05	9.7451169	.8254394
48	629.56	944. 17	9.7453056	.8257127
49	653.73	66986.30	9.7454943	.8259860
50	677 90	67028. 45	9.7456828	.8262592
51	702.06	67070. 62	9.7458712	.8265323
52	726. 21	112. 80	.7460595	.8268053
53	750.36	155. 00	.7462477	.8270783
54	774.51	197. 21	.7464358	.8273513
55	798.65	239.44	.7466237	.8276241
56	822.79	281. 69	.7468115	.8278969
57	846.92	323.96	.7469992	.8281696
58	871.05	366.24	.7471868	.8284423
59	895.17	408. 54	.7473743	.8287149
60	919.29	450. 85	.7475617	.8289874

Min.	56. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	83388.58	151083.52	9.9211066	10.1792171
29	83372.52	150988.07	9.9210229	10.1789426
28	83356.45	150892.71	9.9209393	10.1786683
27	83340.38	150797.43	9.9208555	10.1783940
26	324.30	0702.24	.9207717	.1781197
25	308.21	0607.13	.9206878	.1778455
24	292.12	0512.10	.9206039	.1775714
23	276.02	0417.16	.9205200	.1772974
22	259.91	0322.30	.9204360	.1770234
21	243.80	0227.52	.9203519	.1767495
20	227.68	0132.82	.9202678	.1764756
19	211.55	0038.20	.9201836	.1762019
18	195.41	149943.67	.9200994	.1759281
17	179.27	149849.20	.9200151	.1756545
16	163.12	149754.86	.9199308	.1753809
15	146.96	9660.58	.9198464	.1751074
14	130.79	9566.38	.9197619	.1748340
13	114.62	9472.26	.9196775	.1745606
12	098.44	9378.22	.9195929	.1742873
11	082.26	9284.26	.9195083	.1740140
10	066.07	9190.38	.9194237	.1737408
9	049.87	9096.59	.9193390	.1734677
8	033.66	9002.88	.9192542	.1731947
7	017.45	8909.25	.9191694	.1729217
6	001.23	8815.70	.9190845	.1726487
5	82985.00	8722.23	.9189996	.1723759
4	82968.76	148628.84	.9189146	.1721031
3	82952.52	8535.53	.9188296	.1718304
2	936.27	8442.30	.9187445	.1715577
1	920.02	8349.16	.9186594	.1712851
0	903.76	8256.10	.9185742	.1710126

34. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	55919.29	67450.85	9.7475617	9.8289874
1	55943.40	67493.18	9.7477489	9.8292599
2	55967.51	67535.53	9.7479360	9.8295323
3	55991.61	67577.90	9.7481230	9.8298047
4	56015.71	620.28	. 83099	.8300769
5	56039.81	662.68	. 84967	.8303492
6	56063.90	705.09	. 86833	. 06213
7	087.98	747.52	. 88698	. 08934
8	112.06	789.97	. 90562	. 11654
9	136.14	832.44	. 92425	. 14374
10	160.21	874.92	9.7494287	. 17093
11	184.28	917.42	9.7496148	. 19811
12	208.34	959.93	9.7498007	. 22529
13	232.39	68002.46	9.7499866	. 25246
14	256.44	68045.01	9.7501723	. 27963
15	280.49	68087.58	9.7503579	. 30679
16	304.53	130.16	9.7505434	. 33394
17	328.57	172.76	9.7507287	. 36109
18	352.60	215.38	9.7509140	. 38823
19	376.63	258.01	. 10991	9.8341536
20	400.65	300.66	. 12842	9.8344249
21	424.67	343.33	. 14691	. 46961
22	448.69	386.01	. 16538	. 49673
23	472.70	428.71	. 18385	. 52384
24	496.70	471.43	. 20231	. 55094
25	520.70	514.17	. 22075	. 57804
26	544.69	556.92	. 23919	. 60513
27	568.68	599.69	9.7525761	. 63221
28	592.67	642.47	9.7527602	. 65929
29	616.65	685.27	9.7529442	. 68636
30	640.62	728.10	. 31280	. 71343

55. Grad

	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	82903.76	148256.10	9.9185742	10.1710126
59	82887.49	148163.11	9.9184890	10.1707401
58	82871.21	148070.21	9.9184037	10.1704677
57	82854.93	147977.38	9.9183183	10.1701953
56	838.64	7884.63	9.9182329	.1699231
55	822.34	7791.97	.9181475	.1696508
54	806.03	7699.38	.9180620	.1693787
53	789.72	7606.88	.9179764	.1691066
52	773.40	7514.45	.9178908	.1688346
51	757.07	7422.10	.9178051	.1685626
50	740.74	7329.83	.9177194	.1682907
49	724.40	7237.64	.9176336	.1680189
48	708.05	7145.53	.9175478	.1677471
47	691.70	7053.50	. 74619	.1674754
46	675.34	6961.55	. 73760	.1672037
45	658.97	6869.67	. 72900	.1669321
44	642.60	6777.87	9.9172040	.1666606
43	626.22	6686.16	. 71179	.1663891
42	609.83	6594.52	. 70317	.1661177
41	593.43	6502.96	. 69455	.1658464
40	577.03	6411.47	. 68593	.1655751
39	560.62	6320.07	. 67730	.1653039
38	544.20	6228.74	. 66866	.1650327
37	527.78	6137.49	. 66002	.1647616
36	511.35	6046.32	. 65137	.1644906
35	494.91	5955.22	. 64272	.1642196
34	478.47	5864.20	. 63406	.1639487
33	462.02	5773.26	. 62539	.1636779
32	445.56	5682.40	. 61673	.1634071
31	429.09	5591.61	9.9160805	.1631364
30	412.62	5500.90	. 59937	.1628657

	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	56640.62	68728.10	9.7531280	9.8371343
31	56664.59	68770.94	9.7533118	9.8374049
32	56688.56	68813.79	9.7534954	9.8376755
33	56712.52	68856.66	9.7536790	9.8379460
34	736.48	68899.55	. 38624	.8382164
35	760.43	68942.46	. 40457	.8384867
36	784.37	68985.38	. 42288	.8387571
37	808.31	69028.32	. 44119	.8390273
38	832.25	69071.28	9.7545949	.8392975
39	856.18	69114.25	. 47777	.8395676
40	880.11	69157.24	. 49604	.8398377
41	904.03	69200.25	. 51431	.8401077
42	927.95	69243.28	. 53256	.8403776
43	951.86	69286.33	. 55080	.8406475
44	975.77	69329.39	9.7556902	.8409174
45	999.68	69372.47	. 58724	.8411871
46	57023.58	69415.57	. 60544	.8414569
47	57047.47	69458.68	. 62364	.8417265
48	57071.36	69501.81	. 64182	.8419961
49	095.24	69544.96	. 65999	. 22657
50	119.12	69588.13	. 67815	. 25351
51	142.99	69631.31	. 69630	. 28046
52	166.86	69674.51	. 71444	. 30739
53	190.73	69717.73	. 73256	. 33432
54	214.59	69760.97	. 75068	. 36125
55	238.44	69804.22	. 76878	. 38817
56	262.29	69847.49	. 78687	. 41508
57	286.14	69890.78	. 80495	. 44199
58	309.98	69934.09	. 82302	. 46889
59	333.81	69977.41	9.7584108	. 49579
60	357.64	70020.75	. 85913	. 52268

Min.	55. Grad Sinus.	Tang.	Log. Sin.	Log. Tang.
30	82412.62	145500.90	9.9159937	10.1628657
29	82396.14	145410.27	9.9159069	10.1625951
28	82379.65	145319.71	9.9158200	10.1623245
27	82363.16	145229.23	9.9157330	10.1620540
26	346.66	5138.83	.9156460	.1617836
25	330.15	5048.50	.9155589	.1615133
24	313.64	4958.25	.9154718	.1612429
23	297.12	4868.08	.9153846	.1609727
22	280.59	4777.98	.9152974	.1607025
21	246.05	4687.96	9.9152101	.1604324
20	247.51	4598.01	9.9151228	.1601623
19	230.96	4508.14	9.9150354	.1598923
18	214.40	4418.34	9.9149479	.1596224
17	197.84	4328.62	9.9148604	.1593525
16	181.27	4238.97	9.9147729	.1590826
15	164.69	4149.40	9.9146852	.1588129
14	148.11	4059.91	.9145976	.1585431
13	131.52	3970.49	.9145099	.1582735
12	114.92	3881.14	.9144221	.1580039
11	098.31	3791.87	.9143342	.1577343
10	081.70	3702.68	.9142464	.1574649
9	065.08	3613.56	.9141584	.1571954
8	048.46	3524.51	.9140704	.1569261
7	031.83	3435.54	.9139824	.1566568
6	015.19	3346.64	.9138943	.1563875
5	81998.54	3257.81	.9138061	.1561183
4	81981.89	3169.06	.9137179	.1558492
3	965.23	3080.39	.9136296	.1555801
2	948.56	2991.78	.9135413	.1553111
1	931.89	2903.26	.9134530	.1550421
0	915.21	2814.80	.9133645	.1547732

35. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	57357.64	70020.75	9.7585913	9.8452268
1	57381.47	70064.11	9.7587717	9.8454956
2	57405.29	70107.49	9.7589519	9.8457644
3	57429.11	70150.89	9.7591321	9.8460332
4	57452.92	70194.30	.93121	.8463018
5	57476.72	70237.73	.94920	.8465705
6	57500.52	70281.18	.96718	.8468390
7	57524.32	70324.65	.98515	.8471075
8	57548.11	70368.13	.7600311	.8473760
9	57571.90	70411.63	.7602106	.8476444
10	57595.68	70455.15	9.7603899	.8479127
11	57619.46	70498.69	.05692	.8481810
12	57643.23	70542.24	.07483	.8484492
13	57667.00	70585.81	.09274	.8487174
14	57690.76	70629.40	.11063	.8489855
15	57714.52	70673.01	9.7612851	.8492536
16	57738.27	70716.64	.14638	.8495216
17	57762.02	70760.29	.16424	.8497896
18	57785.76	70803.95	.18205	.8500575
19	57809.50	70847.63	9.7619992	.8503253
20	57833.23	70891.33	.21775	.05931
21	57856.96	70935.05	.23556	.08608
22	57880.68	70978.78	.25337	.11285
23	57904.40	71022.53	.27110	.13961
24	57928.12	71066.30	.28894	.16637
25	57951.83	71110.09	.30671	.19312
26	57975.53	71153.90	.32447	.21987
27	57999.23	71197.73	34222	.24661
28	58022.92	71241.57	.35996	.27335
29	58046.61	71285.43	.37769	.30008
30	58070.30	71329.31	.39540	.32680

54. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	81915.21	142814.80	9.9133645	10.1547732
59	81898.52	142726.42	9.9132760	10.1545044
58	81881.82	142638.11	9.9131875	10.1542356
57	81865.12	142549.87	9.9130989	10.1539668
56	848.41	2461.71	. 30102	.1536982
55	831.69	2373.62	. 29215	.1534295
54	814.97	2285.61	. 28328	.1531610
53	798.24	2197.66	. 27440	.1528925
52	781.50	2109.79	. 26551	.1526240
51	764.76	2022.00	. 25662	.1523556
50	748.01	1934.27	9.91 24772	.1520873
49	731.25	1846.62	9.91 23882	.1518190
48	714.49	1759.04	9.91 22991	.1515508
47	697.72	1671.53	9.91 22099	.1512826
46	680.94	1584.09	9.91 21207	.1510145
45	664.15	1496.73	9.91 20315	.1507464
44	647.38	1409.43	9.91 19422	.1504784
43	630.56	1322.21	. 18528	.1502104
42	613.76	1235.06	. 17634	.1499425
41	596.95	1147.99	. 16739	.1496747
40	580.13	1060.98	. 15844	.1494069
39	563.30	0974.05	. 14948	.1491392
38	546.47	0887.18	. 14051	.1488715
37	529.63	0800.39	. 13155	.1486039
36	512.78	0713.67	. 12257	.1483363
35	495.93	0627.02	. 11359	.1480688
34	479.06	0540.44	. 10460	.1478013
33	462.19	0453.93	. 09561	.1475339
32	445.32	0367.49	. 08661	.1472665
31	428.44	0281.13	. 07761	.1469992
30	411.55	0194.83	. 06860	.1467320

Min.	35. Grad.			
	Sinns.	Tang.	Log. Sin.	Log. Tang.
30	58070.30	71329.31	9.7639540	9.8532680
31	58093.98	71373.21	9.7641311	9.8535352
32	58117.65	71417.13	9.7643080	9.8538023
33	58141.32	71461.06	9.7644849	9.8540694
34	58164.98	505.01	. 46616	.8543365
35	58188.64	548.98	. 48382	.8546034
36	58212.30	592.97	. 50147	.8548704
37	58235.95	636.98	. 51911	.8551372
38	58259.59	681.01	. 53674	.8554041
39	58283.23	725.05	. 55436	.8556708
40	58306.87	769.11	. 57197	.8559376
41	58330.50	813.19	. 58957	.8562042
42	58354.12	857.29	. 60715	.8564708
43	58377.74	901.41	. 62473	.8567374
44	58401.36	945.55	. 64229	.8570039
45	58424.97	989.70	. 65985	.8572704
46	58448.57	72033.87	. 67739	.8575368
47	58472.17	72078.06	. 69492	.8578031
48	58495.77	72122.27	. 71244	.8580694
49	58519.36	166.05	. 72996	.8583357
50	58542.94	210.75	. 74746	.8586019
51	58566.52	255.02	. 76494	.8588680
52	58590.10	299.31	. 78242	.8591341
53	58613.67	343.61	. 79989	.8594002
54	58637.24	387.93	. 81735	.8596661
55	58660.80	432.27	. 83480	.8599321
56	58684.35	476.63	. 85223	.8601980
57	58707.90	521.01	. 86966	.8604638
58	58731.45	565.41	. 88707	.8607296
59	58754.99	609.83	. 90448	.8609954
60	58778.96	654.26	. 92187	.8612610

54. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	81411 55	140[illegible]94.6[illegible]	9.9106860	1[illegible].1467320
29	81394.65	140108.60	9.9105959	10.146464[illegible]
28	81377.75	140022.45	9.9105057	10.1461977
27	81360.84	139936.36	9.9104155	10.1459306
26	343.93	139850.34	. 03251	.145663[illegible]
25	327.01	139764.40	. 02348	.145396[illegible]
24	310.08	9678.52	9.9101444	.1451296
23	293.14	9592.72	.9100539	.1448628
22	276.20	9506.98	.9099634	.1445959
21	259.25	9421.31	9098728	.144329[illegible]
20	242.29	9335.71	. 97821	.1440624
19	225.32	9250.18	. 96915	.1437958
18	208.35	9164.73	. 96007	.1435292
17	191.37	9079.34	. 95099	.1432626
16	174.39	8994.01	. 94190	.142996
15	157.40	8908.76	9.9093281	.1427296
14	140.40	8823.58	9.9092371	.142462[illegible]
13	123.39	8738.46	. 91461	.142196
12	106.38	8653.42	. 90550	.1419306
11	089.36	8568.44	. 89636	.141664[illegible]
10	072.33	8483.53	. 88727	.1413981
9	055.30	8398.69	. 87814	.141132[illegible]
8	038.26	8313.92	. 86901	.1408659
7	021.21	8229.22	. 85988	.140599[illegible]
6	81004.16	8144.58	. 85073	.1403335
5	80987.10	8060.01	. 84159	.1400679
4	80970.03	7975.51	. 83243	.1398020
3	952.96	7891.08	9.9082327	.1395362
2	935.88	7806.72	9.9081411	.1392704
1	918.79	7722.42	. 80494	.1390046
0	901.70	7638.19	. 79576	.1387390

36. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	58778.53	72654.26	9.7692187	9.8612610
1	58802.06	72698.71	9.7693925	9.8615267
2	58825.58	72743.18	9.7695662	9.8617923
3	58849.10	72787.67	9.7697398	9.8620578
4	58872.62	72832.18	.7699134	.8623233
5	58896.13	72876.71	.7700868	.8625887
6	58919.64	72921.26	.7702601	.8628541
7	58943.14	72965.82	.7704332	.8631195
8	58966.63	73010.40	.7706063	.8633848
9	58990.12	73055.01	.7707793	.8636500
10	59013.61	73099.63	.7709522	.8639152
11	59037.09	73144.27	.7711249	.8641803
12	59060.57	73188.94	.7712976	.8644454
13	59084.04	73233.62	.7714702	.8647105
14	59107.50	73278.31	.7716426	.8649755
15	59130.96	73323.03	.7718150	.8652404
16	59154.42	73367.77	.7719872	.8655053
17	59177.87	73412.53	9.7721593	.8657702
18	59201.32	73457.30	.7723314	.8660350
19	59224.76	73502.10	.7725033	.8662997
20	59248.19	73546.91	.7726751	.8665644
21	59271.62	73591.74	.7728468	.8668291
22	59295.05	73636.60	.7730185	.8670937
23	59318.47	73681.47	.7731900	.8673583
24	59341.89	73726.36	.7733614	.8676228
25	59365.30	73771.27	9.7735327	.8678873
26	59388.71	73816.20	.7737039	.8681517
27	59412.11	73861.15	.7738749	.8684160
28	59435.50	73906.11	.7740459	.8686804
29	59458.89	73951.10	.7742168	.8689446
30	59482.28	73996.11	.7743876	.8692089

53. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	80901. 70	137638.19	9.9079576	10.1387390
59	80884. 60	137554.07	9.9078658	10.1384733
58	80867. 49	137469.94	9.9077740	10.1382077
57	80850. 37	137385.91	9.9076820	10.1379422
56	833. 25	7301.95	.9075901	.1376767
55	816. 12	7218.05	.9074980	.1374113
54	798. 99	7134. 23	.9074059	.137 459
53	781. 85	7050. 47	.9073138	.1368805
52	764. 70	6966. 78	.9072216	.1366152
51	747. 54	6883.15	.9071293	.1363500
50	730. 38	6799. 59	.9070370	.1360848
49	713. 21	6716. 10	.9069446	.135819
48	696. 03	6632. 67	.9068522	.1355545
47	678. 85	6549. 31	.9067597	.1352895
46	661. 66	6466. 62	.9066671	.1350245
45	644. 46	6382. 79	.9065745	.1347596
44	627. 26	6299. 63	.9064819	1344 47
43	610. 05	6216. 53	.9063892	.1342295
42	592. 83	6133. 50	.9062964	.1339650
41	575. 60	6050. 54	.9062036	.1337003
40	558. 37	5967. 64	.9061107	.1334356
39	541. 13	5884. 81	.9060177	.1331709
38	523. 89	5802 04	.9059247	.1329063
37	506. 64	5719. 34	.9058317	.1326417
36	489. 38	5636. 70	.9057336	.1323772
35	472. 11	5554. 13	.9056454	.1321127
34	454. 84	5471. 62	.9055522	.1318483
33	437. 56	5389. 18	.9054589	.1315840
32	420. 28	5306. 80	.9053656	.1313196
31	402. 99	5224. 49	.9052720	.1310554
30	385. 69	5142. 24	.9051787	.1307911

36 Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang
30	59482.28	73996.11	9.7743876	9.8692089
31	59505.66	74041.14	9.7745583	9.8694731
32	59529.03	74086.18	9.7747288	9.8697372
33	59552.40	74131.24	9.7748993	9.8700013
34	59575.77	74176.33	9.7750697	.8702653
35	59599.13	74221.43	.7752399	.8705293
36	59622.49	74266.55	.7754101	.8707933
37	59645.84	74311.70	.7755801	.8710572
38	59669.81	74356.86	.7757501	.8713210
39	59692.52	74402.04	.7759199	.8715848
40	59715.86	74447.24	.7760897	.8718486
41	59739.19	74492.46	.7762593	.8721123
42	59762.51	74537.70	.7764289	.8723760
43	59785.83	74582.96	.7765983	.8726396
44	59809.15	74628.24	.7767676	.8729032
45	59832.46	74673.54	.7769369	.8731668
46	59855.76	74718.86	.7771060	.8734302
47	59879.06	74764.20	.7772750	.8736937
48	59902.36	74809.56	.7774439	.8739571
49	59925.65	74854.94	.7776128	9.8742204
50	59948.93	74900.33	.7777815	.8744838
51	59972.21	74945.75	.7779501	.8747470
52	59995.49	74991.19	.7781186	9.8750102
53	60018.76	75036.65	.7782870	.8752734
54	60042.02	75082.12	.7784553	.8755365
55	60065.28	75127.62	.7786235	.8757996
56	60088.53	75173.14	.7787916	.8760627
57	60111.78	75218.67	9.7789596	.8763257
58	60135.03	75264.23	.7791275	.8765886
59	60158.27	75309.81	.7792953	.8768515
06	60181.50	75355.40	.7794630	.8771144

53. Grad.

Min.	Sinus.	Tang:	Log. Sin.	Log. Tang.
30	80385.69	135142.24	9.9051787	10.1307911
29	80638 38	135060.06	9.9050852	10.1305269
28	80351.07	134977.94	9.9049916	10.1802628
27	80333.75	134895.89	9.9048980	10.1299987
26	316.42	4813.90	.9048043	.1297347
25	299.09	4731.97	.9047106	.1294707
24	281.75	4650.11	.9046168	.1292067
23	264.40	4568.32	.9045230	.1289428
22	247.05	4486.58	.9044291	.1286790
21	229.60	4404 92	.9043351	.1284152
20	212.32	4323.31	.9042411	.1281514
19	194.94	4241.77	.9041470	.1278877
18	177.56	4160.29	.9040529	.1276240
17	160.17	4078.88	.9039587	.1273604
16	142.78	3997.53	.9038644	.1270968
15	125.38	3916.24	.9037701	.1268332
14	107.97	3835.02	.9036757	.1265698
13	090.56	3753.86	.9035813	.1263063
12	073.14	3672.76	.9034868	.1260426
11	055.71	3591.72	.9033923	.1257796
10	038.27	3510.75	.9032977	.1255162
9	020.83	3429.84	.9012031	.1252530
8	80003.38	3349.00	.9031084	.1249898
7	79985.93	3268.22	.9030136	.1247266
6	79968.47	3187.49	.9029188	.1244635
5	951.00	3106.84	.9028239	.1242004
4	933.52	3026.24	.9027289	.1239373
3	916.04	2945.71	.9026339	.1236743
2	898.55	2865.24	.9025389	.1234114
1	881.05	2784.83	.9024438	.1231485
0	863.55	2704.48	.9023486	.1228856

37. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	60181.50	75355.40	9.7794630	9.8771144
1	60204.73	75401.02	9.7796306	9.8773772
2	60227.95	75446.66	9.7797981	9.8776400
3	60251.17	75492.32	9.7799655	9.8779027
4	274.39	537.99	.7801328	.8781654
5	297.60	583.69	.7803000	.8784281
6	320.80	629.41	.7804671	.8786907
7	344.00	675.14	.7806341	.8789533
8	367.19	720.90	.7808010	.8792158
9	390.38	766.68	.7809677	.8794782
10	413.56	812.48	.7811344	.8797407
11	436.74	858.29	.7813010	.8800031
12	459.91	904.13	.7814675	.8802654
13	483.08	949.99	.7816339	.8805277
14	506.24	995.87	.7818002	.8807900
15	529.40	76041.77	9.7819664	9.8810522
16	552.55	76087.6	.7821324	.8813144
17	575.70	76133.63	9.7822984	.8815765
18	598.84	179.59	.7824643	.8818386
19	621.98	225.57	.7826301	.8821007
20	645.11	271.57	.7827958	.8823627
21	668.23	317.59	.7829614	.8826246
22	691.35	363.63	.7831268	9.8828866
23	714.47	409.69	.7832922	.8831484
24	737.58	455.77	.7834575	.8834103
25	760.69	501.88	.7836227	.8836721
26	783.79	548.00	.7837878	.8839338
27	806.89	594.14	.7839528	.8841956
28	829.93	640.31	.7841177	.8844572
29	853.06	686.49	.7842824	.8847189
30	876.14	732.79	.7844471	.8849805

52. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	79863.55	132704.48	9.9023436	10.1228856
59	79846.04	132624.20	9.9022534	10.1226228
58	79828.52	132543.97	9.9021581	10.1223600
57	79811.00	132463.81	9.9020628	10.1220973
56	793.47	2383.71	.19674	.1218346
55	775.93	2303.68	.18719	.1215719
54	758.39	2223.70	.17764	.1213093
53	740.84	2143.79	.16808	.1210467
52	723.28	2063.93	.15852	.1207842
51	705.72	1984.14	.14895	.1205218
50	688.15	1904.41	.13938	.1202593
49	670.57	1824.74	.12980	.1199969
48	652.99	1745.13	.12021	.1197346
47	635.40	1665.59	.11062	.1194723
46	617.80	1586.10	.10102	.1192100
45	600.20	1506.68	.09142	.1189478
44	582.59	1427.31	9.9008181	.1186856
43	564.97	1348.01	.07219	.1184235
42	547.35	1268.76	9.9006257	.1181614
41	529.72	1189.58	.05294	.1178993
40	512.08	1110.46	.04331	.1176373
39	494.43	1031.40	.03367	.1173754
38	476.78	0952.39	.02403	.1171134
37	459.12	0873.45	.9001438	.1168516
36	441.46	0794.57	.9000472	.1165897
35	423.79	0715.75	.8999506	.1163279
34	406.11	0636.99	.8998539	.1160662
33	388.43	0558.28	.8997572	.1158044
32	370.74	0479.64	.8996604	.1155428
31	353.04	0401.06	.8995636	.1152811
30	335.33	0322.54	.8994667	.1150195

37. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	60876.14	76732.70	9.7844471	9.8849805
31	60899.22	76778.93	9.7846117	9.8852420
32	60922.29	76825.17	9.7847762	9.8855035
33	60945.35	76871.44	9.7849406	9.8857650
34	60968.41	76917.73	.7851049	.8860264
35	60991.47	76964.04	.7852691	.8862878
36	61014.52	77010.37	.7854332	.8865492
37	61037.56	77056.72	.7855972	.8868105
38	060.60	103.09	.7857611	.8870718
39	083.63	149.48	.7859249	.8873330
40	106.66	195.89	.7860886	.8875942
41	129.68	242.33	.7862520	.8878554
42	152.70	288.79	.7864157	.8881165
43	175.72	335.26	.7865791	.8883775
44	198.73	381.75	.7867424	.8886386
45	221.73	428.27	.7869056	.8888996
46	244.73	474.81	.7870687	.8891605
47	267.72	521.37	.7872317	.8894214
48	290.71	567.95	.7873946	.8896823
49	313.69	614.55	.7875574	.8899432
50	336.66	661.17	.7877202	.8902040
51	359.63	707.82	.7878828	.8904647
52	382.60	754.48	.7880453	.8907254
53	405.56	801.17	.7882077	.8909861
54	428.52	847.88	.7883701	.8912468
55	451.47	894.60	.7885323	.8915074
56	474.42	941.35	.7886944	.8917679
57	497.36	988.12	.7888565	.8920285
58	520.29	78034.92	.7890184	.8922890
59	543.22	78081.73	.7891802	.8925494
60	566.15	128.56	.7893420	.8928098

52. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	79335.33	130322.54	9.8994667	10.1150195
29	79317.62	130244.07	9.8993697	10.1147580
28	79299.90	130165.67	9.8992727	10.1144965
27	79282.18	130087.32	9.8991756	10.1142350
26	264.45	130009.04	. 90784	.1139736
25	246.71	129930.81	9.8989812	.1137122
24	228.95	129852.65	. 88840	.1134508
23	211.21	9774.54	. 87867	.1131895
22	193.45	9696.49	. 86893	.1129282
21	175.69	9618.50	. 85919	.1126670
20	157.92	9540.57	. 84944	.1124058
19	140.14	9462.69	. 83968	.1121446
18	122.35	9384.88	. 82992	.1118835
17	104.56	9307.12	. 82015	.1116225
16	086.76	9229.43	. 81038	.1113614
15	068.96	9151.79	. 80060	.1111004
14	051.15	9074.21	9.8979082	.1108395
13	033.33	8996.96	. 78103	.1105786
12	015.50	8919.22	. 77123	.1103177
11	78997.67	8841.82	. 76143	.1100568
10	78979.83	8764.47	. 75162	.1097960
9	78961.98	8687.18	9.8974181	.1095353
8	944.13	8609.95	. 73199	.1092746
7	926.27	8532.77	9.8972216	.1090139
6	908.41	8455.66	. 71233	.1087532
5	890.54	8378.60	. 70249	.1084926
4	872.66	8301.60	. 69265	.1082321
3	854.77	8224.66	. 68280	.1079715
2	836.88	8147.76	. 67294	.1077110
1	818.98	8070.93	. 66308	.1074506
0	801.07	7994.16	. 65321	.1071901

38. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	61566. 15	78128. 56	9.7893420	9.8928098
1	61589.07	78175. 42	9.7895036	9.8930702
2	61611. 98	78222. 29	9.7896652	9.8933306
3	61634. 89	78269. 19	9.7898266	9.8935909
4	657. 79	316. 11	.7899880	.8938511
5	680. 69	363. 05	.7901493	.8941114
6	703. 59	410. 02	.7903104	. 43715
7	726. 48	457. 00	. 04715	. 46317
8	749. 36	504. 00	. 06325	. 48918
9	772. 24	551. 03	. 07933	. 51519
10	795. 11	598. 08	. 09541	. 54119
11	817. 98	645. 15	. 11148	. 56719
12	840. 84	692. 24	. 12754	. 59319
13	863. 70	739. 35	. 14359	. 61918
14	886. 55	786. 49	. 15963	. 64517
15	909. 40	833. 64	9.7917566	9.8967116
16	932. 24	880. 82	. 19168	. 69714
17	955. 07	928. 02	. 20769	. 72312
18	977. 90	975. 24	. 22369	. 74910
19	62000. 73	79022. 48	. 23968	. 77507
20	62023. 55	79069. 75	. 25566	. 80104
21	62046. 36	79117. 03	. 27163	. 82700
22	069. 17	164. 34	. 28760	9.8985296
23	091. 98	211. 67	. 30355	. 87892
24	114. 78	259. 02	9.7931949	. 90487
25	137. 57	306. 40	. 33543	. 93082
26	160. 36	353. 79	. 35135	. 95677
27	183. 14	401. 21	. 36727	. 98271
28	205. 92	448. 65	. 38317	.9000865
29	228. 69	496. 11	. 39907	.9003459
30	251. 46	543. 59	. 41496	.9006052

51. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	78801.07	127994.16	9.8965321	10.1071902
59	78783.16	127917.45	9.8964334	10.1069298
58	78765.24	128740.79	9.8963346	10.1066694
57	78747.32	127764.19	9.8962358	10.1064091
56	729.39	7687.64	9.8961369	.1061489
55	711.45	7611.16	.8960379	.105 8886
54	693.50	7534.73	.8959389	.1056285
53	675.55	7458.36	.8958398	.1053683
52	657.59	7382.04	.8957406	.1051082
51	639.62	7305.78	.8956414	.1048481
50	621.65	7229.57	.8955422	.1045881
49	603.67	7153.42	.8954429	.1043281
48	585.69	7077.33	.8953435	.1040681
47	567.70	7001.39	. 52440	.1038082
46	549.70	6925.32	. 51445	.1035483
45	531.69	6849.39	. 50450	.1032884
44	513.68	6773.53	9.8949453	.1030286
43	495.66	6697.72	. 48457	.1027688
42	477.64	6621.96	9.8947459	.1025090
41	459.61	6546.26	. 46461	.1022493
40	441.57	6470.62	9.8945463	.1019896
39	423.52	6395.03	. 44463	.1017300
38	405.47	6319.50	. 43464	.1014704
37	387.41	6244.02	. 42463	.1012108
36	369.35	6168.60	. 41462	.1009513
35	351.28	6093.23	9.8940461	.1006918
34	333.20	6017.92	. 39458	.1004323
33	315.11	5942.67	. 38456	.1001729
32	297.02	5867.47	9.8937452	.0999135
31	278.92	5792.32	. 36448	.0996541
30	260.82	5717.23	. 35444	.0993948

Min.	38. Grad.				
	Sinus.	Tang.		Log. Sin.	Log. Tang.
30	62251.46	79543.59		9.7941496	9.9006052
31	62274.22	79591.10		9.7943083	9.9008645
32	62296.98	79638.62		9.7944670	9.9011237
33	62319.73	79686.17		9.7946256	9.9013830
34	62342.48	733.74		. 47841	.9016422
35	62365.22	781.34		. 49425	.9019013
36	62387.96	828.95		9.7951008	9.9021604
37	62410.69	876.59		. 52590	9.9024195
38	62433.42	924.25		. 54171	.9026786
39	62456.14	971.93		9.7955751	9.9029376
40	62478.85	80019.63		. 57330	9.9031966
41	62501.56	80067.36		. 58909	.9034555
42	62524.26	80115.11		. 60486	.9037144
43	62546.96	612.88		. 62062	.9039733
44	62569.66	210.67		. 63638	.9042321
45	62592.35	258.48		. 65212	.9044910
46	62615.03	80306.32		. 66786	.9047497
47	62637.71	354.18		. 68359	.9050085
48	62660.38	402.06		. 69930	.9052672
49	62683.05	449.97		. 71501	.9055259
50	62705.71	497.90		. 73071	.9057845
51	62728.37	545.85		. 74640	.9060431
52	62751.02	593.82		. 76208	.9063017
43	62773.66	641.81		. 77775	.9065603
54	62796.30	689.83		. 79341	.9068188
55	62818.94	737.87		. 80906	.9070773
56	62841.57	785.93		. 82470	.9073357
57	62864.20	834.01		. 84034	.9075941
58	62886.82	882.12		. 85596	.9078525
59	62909.43	930.25		. 87158	.9081109
60	62932.04	978.40		. 88718	.9083692

	51. Grad.			
	Sinus.	Tang.	*Log. Sin.*	*Log. Tang.*
30	78260.82	125717.23	9.8935444	10.0993948
29	78242.71	125642.19	9.8934439	10.0991355
28	78224.59	125567.21	9.8933433	10.0988763
27	78206.46	125492.29	9.8932426	10.0986170
26	188.33	5417.42	. 31419	.0983578
25	170.19	5342.60	. 30412	.0980987
24	152.05	5267.84	. 29404	.0978396
23	133.90	5193.13	9.8928395	.0975805
22	115.74	5118.48	. 27385	.0973214
21	097.57	5043.88	. 26375	.0920624
20	079.40	4969.33	9.8925365	.0968034
19	061.22	4894.84	. 24354	.0965445
18	043.04	4820.40	. 23342	.0962856
17	024.85	4746.02	. 22329	.0960267
16	78006.65	4671.69	. 21316	.0957679
15	77988.45	4597.42	. 20303	.0955090
14	77970.24	4523.20	. 19289	.0952503
13	77952.02	4449.03	. 18274	.0949915
12	933.80	4374.92	. 17258	.0947328
11	915.57	4300.86	. 16242	.0944741
10	897.33	4226.85	. 15226	.0942155
9	879.08	4152.90	. 14208	.0939569
8	860.83	4079.00	. 13191	.0936983
7	842.57	4005.15	. 12172	.0934397
6	824.31	3931.36	. 11153	.0931812
5	806.04	3857.62	9.8910133	.0929227
4	787.77	3783.93	9.8909113	.0926643
3	769.49	3710.30	. 08092	.0924059
2	751.20	3636.72	. 07071	.0921475
1	732.90	3563.19	. 06049	.0918891
0	714.60	3489.72	. 05026	.0916308

39. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	62932.04	80978.40	9.7988718	9.9083692
1	62954.64	81026.58	9.7990278	9.9086275
2	62977.24	81074.78	9.7991836	9.9088858
3	62999.83	81123.00	9.7993394	9.9091440
4	63022.24	171.24	. 94951	.9094022
5	63045.00	219.51	. 96507	.9096603
6	63067.58	267.80	. 98062	.9099185
7	63090.15	316.11	.7999616	.9101766
8	63112.72	364.44	.8001169	.9104347
9	63135.28	412.80	.8002721	.9106927
10	63157.84	461.18	.8004272	.9109507
11	63180.39	509.58	. 05823	.9112087
12	63202.93	558.01	. 07372	.9114666
13	63225.47	606.46	. 08921	9.9117245
14	63248.00	654.93	. 10468	9.9119824
15	63270.53	703.43	9.8012015	.9122403
16	63293.05	751.95	. 13561	.9124981
17	63315.57	800.49	9.8015106	.9127559
18	63338.08	849.05	. 16649	9.9130137
19	63360.59	897.64	. 18192	.9132714
20	63383.09	946.25	. 19735	.9135291
21	63405.59	81994.88	. 21276	.9137868
22	63428.08	82043.54	. 28816	.9140444
23	63450.57	82092.22	. 24355	.9143020
24	63473.05	82140.93	. 25894	.9145596
25	63495.53	189.65	. 27431	.9148171
26	63518.00	238.40	. 28968	.9150747
27	63540.46	287.18	. 30504	.9153322
28	63562.92	335.79	. 32038	.9155896
29	63585.37	384.79	. 33572	.9158471
30	63607.82	433.64	. 35105	.9161045

50 Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	77714.60	123489.72	9.8905026	10.0916308
59	77696.29	123416.29	9.8904003	10.0913725
58	77677.97	123342.92	9.8902979	10.0911142
57	77659.65	123269.61	9.8901954	10.0908560
56	641.32	3196.34	.8900929	.0905978
55	622.98	3123.13	.8899903	.0903397
54	604.64	3049.97	.8898877	.0900815
53	586.29	2976.87	.8897850	.0898234
52	567.94	2903.81	.8896822	.0895653
51	549.58	2830.81	.8895794	.0893073
50	531.21	2757.86	. 94765	.0890493
49	512.83	2684.96	. 93736	.0887913
48	494.45	2612.11	. 92706	.0885334
47	476.06	2539.32	. 91675	.0882755
46	457.67	2466.58	. 90644	.0880176
45	439.27	2393.89	. 89612	.0877597
44	420.86	2321.25	9.8888580	.0875019
43	402.44	2248.66	. 87547	.0872441
42	384.02	2176.13	. 86513	.0869863
41	365.59	2103.64	. 85479	.0867286
40	347.16	2031.21	. 84444	.0864709
39	328.72	1958.83	. 83408	.0862132
38	310.27	1886.50	. 82372	.0859556
37	291.82	1814.22	. 81335	.0856980
36	273.36	1741.99	. 80298	.0854404
35	254.89	1669.82	. 79260	.0851829
34	236.42	1597.69	9.8878221	.0849253
33	217.94	1525.62	. 77182	.0846678
32	199.45	1453.59	. 76142	.0844104
31	180.96	1381.62	. 75102	.0841529
30	162.46	1309.70	. 74061	.0838955

39. Grad.

Min	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	63607.82	82433.64	9.8035105	9.9161045
31	63630.26	82482.51	9.8036637	9.9163618
32	63652.70	82531.40	9.8038168	9.9166192
33	63675.13	82580.31	9.8039699	9.9168765
34	697.56	629.25	. 41228	.9171338
35	719.98	678.21	. 42757	.9173911
36	742.40	727.19	. 44284	.9176483
37	764.81	776.20	. 45811	.9179055
38	787.21	825.23	. 47336	.9181627
39	809.61	874.29	. 48861	.9184198
40	832.01	923.37	. 50385	.9186769
41	854.40	972.47	. 51908	.9189340
42	876.78	83021.60	. 53430	.9191911
43	899.16	83070.75	. 54951	.9194481
44	921.53	83119.92	. 56472	.9197051
45	943.90	169.12	9.80 57991	.9199621
46	966.26	218.34	. 59510	.9202191
47	63988.62	267.59	. 61027	.9204760
48	64010.97	316.86	. 62544	.9207329
49	64033.32	366.15	. 64060	.9209898
50	64055.66	415.47	. 65575	.9212466
51	077.99	494.81	. 67089	.9215034
52	100.32	514.18	. 68602	.9217602
53	122.64	563.57	. 70114	.9220170
54	144.96	612.98	. 71626	.9222737
55	167.27	662.42	. 73136	.9225304
56	189.58	711.88	9.8074646	.9227871
57	211.88	761.36	. 76154	.9230437
58	234.18	810.87	. 77662	.9233004
59	256.47	860.40	. 79169	.9235570
60	278.76	909.96	. 80675	.9238135

50. Grad.

	Sinus	Tang.	Log. Sin.	Log. Tang.
30	77162.46	121309.70	9.8874061	10.0838955
29	77143.95	121237.83	9.8873019	10.0836382
28	77125.44	121166.01	9.8871977	10.0833808
27	77106.92	121094.24	9.8870934	10.0831235
26	088.39	1022.52	. 69890	.0828662
25	069.86	0950.85	. 68846	.0826089
24	051.32	0879.23	. 67801	.0823517
23	032.78	0807.67	. 66756	.0820945
22	014.23	0736.15	. 65710	.0818373
21	76995.67	0664.68	. 64663	.0815802
20	76977.10	0593.27	. 63616	.0813231
19	76958.53	0521.90	. 62568	.0810660
18	939.95	0450.58	. 61519	.0808089
17	921.37	0379.31	. 60470	.0805519
16	902.78	0308.10	. 59420	.0802949
15	884.18	0236.93	. 58370	.0800379
14	865.58	0165.81	9.8857319	.0797809
13	846.97	0094.75	. 56267	.0795240
12	828.35	0023.73	. 55215	.0792671
11	809.73	119952.76	. 54162	.0790102
10	791.10	119881.84	. 53109	.0787534
9	772.46	119810.97	. 52055	.0784966
8	753.82	9740.15	9.8851000	.0782398
7	735.17	9669.38	. 49945	.0779830
6	716.51	9598.66	. 48889	.0777263
5	697.85	9527.99	. 47832	.0774696
4	679.18	9457.36	. 46775	.0772129
3	660.51	9386.79	9.8845717	.0769563
2	641.83	9316.26	. 44659	.0766996
1	623.14	9245.79	. 43599	.0764430
0	604.44	9175.36	. 42540	.0761865

40. Grad.

Min.	Sinus.	Tang.	Log. Sen.	Log. Tang.
0	64278.76	83909.96	9.8080675	9.9238135
1	64301.04	83959.54	9.8082180	9.9240701
2	64323.32	84009.15	9.8083684	9.9243266
3	64345.59	84058.78	9.8085188	9.9245831
4	367.85	84108.44	. 86690	.9248396
5	390.11	158.12	. 88192	.9250960
6	412.36	207.82	. 89692	.9253524
7	434.61	257.55	. 91192	.9256088
8	456.85	307.30	. 92691	.9258652
9	479.09	357.08	. 94189	.9261215
10	501.32	406.88	. 95686	.9263778
11	523.55	456.70	. 97182	.9266341
12	545.77	506.55	. 98678	.9268904
13	567.98	556.43	.8100172	.9271466
14	590.19	606.33	.8101666	.9274028
15	612.40	656.25	.8103159	.9276590
16	634.60	706.20	. 04650	.9279152
17	656.79	756.17	. 06141	.9281713
18	678.98	806.17	. 07631	.9284274
19	701.16	852.19	. 09121	.9286835
20	723.34	906.24	. 10609	.9289396
21	745.51	956.31	. 12096	.9291956
22	767.67	85006.40	. 13583	.9294516
23	789.83	85056.52	. 15069	.9297076
24	811.99	85106.67	. 16554	.9299636
25	834.14	156.84	. 18038	.9302195
26	856.28	207.04	. 19521	.9304755
27	878.42	257.26	. 21003	.9307314
28	900.55	307.50	9.81 22484	.9309872
29	922.68	357.77	. 23965	.9312431
30	944.80	408.07	. 25444	.9314989

Min.	49. Grad.			
	Sinus.	Tang.	Log Sin.	Log. Tang.
60	76604.44	119175.36	9.8842540	10.0761865
59	76585.74	119104.98	9.8841479	10.0759299
58	76567.03	119034.65	9.8840418	10.0756734
57	76548.32	118964.37	9.8839357	10.0754169
56	529.60	8894.14	9.8838294	.0751604
55	510.87	8823.95	. 37232	.0749040
54	492.14	8753.82	. 36168	.0746476
53	473.40	8683.73	. 35104	.0743912
52	454.65	8613.69	. 34039	.0741348
51	435.69	8543.70	. 32974	.0738785
50	417.14	8473.76	. 31908	.0736222
49	398.37	8403.87	. 30841	.0733659
48	379.60	8334.02	. 29774	.0731096
47	360.82	8264.22	. 28706	.0728534
46	342.04	8194.47	. 27638	.0725972
45	323.25	8124.77	. 26568	.0723410
44	304.45	8055.12	. 25499	.0720848
43	285.64	7985.51	. 24428	.0718287
42	266.83	7915.95	. 23357	.0715726
41	248.01	7846.44	. 22285	.0713165
40	229.19	7776.98	9.8821213	.0717604
39	210.36	7707.56	. 20140	.0708044
38	191.52	7638.20	. 19067	.0705484
37	172.68	7568.88	. 17992	.0702924
36	153.83	7499.60	. 16918	.0700364
35	134.97	7430.38	. 15842	.0697805
34	116.11	7361.20	. 14766	.0695245
33	097.24	7292.07	. 13689	.0692686
32	078.37	7222.98	. 12612	.0690128
31	059.49	7153.95	9.8811534	.0687569
30	040.60	7084.96	. 10455	.0685011

40. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	64944.80	85408.07	9.8125444	9.9314989
31	64966.92	85458.39	9.8126923	9.9317547
32	64989.03	85508.73	9.8128401	9.9320105
33	65011.14	85559.10	9.8129878	9.9322662
34	65033.24	85609.50	. 31354	.9325220
35	65055.33	85659.92	. 32829	.9327777
36	65077.42	85710.37	. 34303	.9330334
37	65099.50	85760.84	. 35777	.9332890
38	65121.58	85811.33	. 37250	.9335446
39	65143.66	85861.85	. 38721	.9338003
40	65165.72	85912.40	. 40192	.9340559
41	65187.78	85962.97	. 41662	.9343114
42	65209.84	86013.57	. 43131	.9345670
43	65231.89	86064.19	. 44600	.9348225
44	65253.94	86114.84	9.8146067	.9350780
45	65275.98	86165.51	. 47534	.9353335
46	65298.01	86216.21	. 48999	.9355889
47	65320.04	86266.93	. 50464	.9358444
48	65342.06	86317.68	. 51928	.9360998
49	65364.08	86368.46	. 53391	.9363552
50	65386.09	86419.26	. 54854	.9366105
51	65408.10	86470.09	. 56315	.9368659
52	65430.10	86520.94	. 57776	.9371212
53	65452.09	86571.81	. 59235	.9373765
54	65474.08	86622.71	. 60694	.9376318
55	65496.06	86673.64	. 62152	.9378871
56	65518.04	86724.60	. 63609	.9381423
57	65540.01	86775.58	. 65066	.9383975
58	65561.98	86826.59	. 66521	.9386527
59	65583.94	86877.62	. 67975	.9389079
60	65605.90	86928.68	. 69429	.9391631

49. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	76040.60	117084.96	9.8810455	10.0685011
29	76021.70	117016.01	9.8809376	10.0682453
28	76002.80	116947.12	9.8808296	10.0679895
27	75983.89	116878.27	9.8807215	10.0677338
26	75964.98	6809.47	. 06134	.0674780
25	946.06	6740.71	9.8805052	.0672223
24	927.13	6672.00	. 03970	.0669666
23	908.20	6603.34	. 02887	.0667110
22	889.26	6534.72	. 01803	.0664554
21	870.31	6466.15	. 00719	.0661997
20	851.36	6397.63	.8799634	.0659441
19	832.40	6329.16	.8798548	.0656886
18	813.43	6260.73	.8797462	.0654330
17	794.46	6192.34	. 96375	.0651775
16	775.48	6124.00	. 95287	.0649220
15	756.50	6055.71	. 94199	.0646665
14	737.51	5987.47	. 93110	.0644111
13	718.51	5919.27	. 92021	.0641556
12	699.50	5851.11	. 92930	.0639002
11	680.49	5783.01	. 89840	.0636448
10	661.47	5714.95	. 88748	.0633895
9	642.45	5646.93	9.8787656	.0631341
8	623.42	5578.96	9.8786563	.0628788
7	604.39	5511.04	. 85470	.0626235
6	585.35	5443.16	. 84376	.0623682
5	566.30	5375.32	. 83281	.0621129
4	547.24	5307.54	. 82186	.0618577
3	528.18	5239.79	. 81090	.0616025
2	509.11	5172.10	. 79994	.0613473
1	490.04	5104.45	. 78896	.0610921
0	470.96	5036.84	9.8777799	.0608369

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9 8191133

41. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang
0	65605.90	86928.68	~~9.8196429~~	9.9391631
1	65627.85	86979.76	9.8170882	9.9394182
2	65649.80	87030.87	9.8172334	9.9396733
3	65671.74	87082.00	9.8173785	9.9399284
4	65693.67	87133.16	. 75235	.9401835
5	65715.60	87184.35	. 76685	.9404385
6	65737.52	87235.56	. 78133	.9406936
7	65759.44	87286.80	. 79581	.9409486
8	65781.35	87338.06	. 81028	.9412036
9	65803.26	87389.35	. 82474	.9414585
10	65825.16	87440.67	. 83919	.9417135
11	65847.06	87492.01	. 85364	.9419684
12	65868.95	87543.38	. 86807	.9422233
13	65890.83	87594.78	. 88250	.9424782
14	65912.71	87646.20	. 89692	.9427331
15	65934.58	87697.65	9.81 61133	.9429879
16	65956.45	87749.12	. 92573	.9432428
17	65978.31	87800.62	. 94012	.9434976
18	66000.17	87852.15	. 95450	.9437524
19	66022.02	87903.70	. 96888	.9440072
20	66043.86	87955.28	9.8198325	.9442619
21	66065.70	88006.89	. 99761	.9445166
22	66087.53	88058.52	.8201196	.9447714
23	66109.36	88110.18	.8202630	.9450261
24	66131.18	88161.86	.8204063	.9452807
25	66153.00	88213.57	. 05496	.9455354
26	66174.81	88265.31	. 06927	.9457900
27	66196.62	88317.07	. 08358	.9460447
28	66218.42	88368.86	9.8209788	.9462993
29	66240.22	88420.68	. 11217	.9465539
30	66262.01	88472.53	. 12646	.9468084

48. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	75470.96	115036.84	9.8777799	10.0608369
59	75451.87	114969.28	9.8776700	10.0605818
58	75432.78	114901.76	9.8775601	10.0603267
57	75413.68	114834.29	9.8774501	10.06[illegible]71[illegible]
56	394.57	4766.87	. 73401	.0598165
55	375.46	4699.49	. 72300	.0595615
54	356.34	4632.15	. 71198	.0593064
53	337.21	4564.86	. 70096	.0590514
52	381.08	4497.62	. 68993	.0587964
51	298.94	4430.41	. 67889	.0585415
50	279.80	4363.26	. 66785	.0582865
49	260.65	4296.15	. 65680	.0580316
48	241.49	4229.08	. 64574	.0577767
47	222.33	4162.06	. 63468	.0575218
46	203.16	4095.08	. 62361	.0572669
45	183.98	4028.15	. 61253	.057012[illegible]
44	164.80	3961.26	9.8760145	.0567572
43	145.61	3894.41	. 59036	.0565024
42	126.41	3827.61	. 57927	.0562476
41	107.21	3760.85	. 56816	.055992[illegible]
40	088.00	3694.14	. 55706	.0557381
39	068.79	3627.47	9.8754594	.0554834
38	049.57	3560.85	. 53482	.0552286
37	030.34	3494.27	. 52369	.0549739
36	011.11	3427.73	9.8751256	.0547153
35	74991.87	3361.24	. 50142	.0544646
34	74972.62	3294.79	. 49027	.0542100
33	74953.37	3228.39	. 47912	.0539553
32	934.11	3162.03	. 46795	.0537007
31	914.84	3095.71	9.8745679	.0534461
30	895.57	3029.44	. 44561	.0531916

41. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	66262.01	88472.53	9.8212646	9.9468084
31	66283.79	88524.40	9.8214073	9.9470630
32	66305.57	88576.30	9.8215500	9.9473175
33	66327.34	88628.22	9.8216926	9.9475720
34	66349.11	680.17	.8218351	.9478265
35	66370.87	732.15	9.8219775	9.9480810
36	66392.62	784.16	.8221198	.9483355
37	414.37	836.20	.8222621	.9485899
38	436.11	888.26	9.8224042	9.9488443
39	457.85	940.34	.8225463	.9490987
40	479.59	992.45	.8226883	.9493531
41	501.32	89044.59	.8228302	.9496075
42	523.04	89096.75	.8229721	.9498619
43	544.75	89148.94	.8231138	.9501162
44	566.46	201.16	9.8232555	.9503705
45	588.17	253.41	.8233971	.9506248
46	609.87	305.69	.8235386	.9508791
47	631.56	357.99	.8236800	.9511334
48	653.25	410.32	.8238213	.9513876
49	674.93	462.68	.8239626	.9516419
50	696.61	515.06	.8241037	.9518961
51	718.28	567.47	.8242448	.9521503
52	739.94	619.91	.8243858	.9524045
53	761.60	672.38	.8245267	.9526587
54	783.26	724.87	.8246676	.9529128
55	804.91	777.39	.8248083	.9531670
56	826.55	829.94	9.8249490	.9534211
57	848.18	882.52	.8250896	.9536752
58	869.81	935.12	.8252301	.9539293
59	891.44	987.75	.8253705	.9541834
60	913.06	90040.41	.8255109	.9544374

48. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	74895.57	113029.44	9.8744561	10.0531916
29	74876.29	112963.21	9.8743443	10.0529370
28	74857.01	112897.02	9.8742325	10.0526825
27	74837.72	112830.88	9.8741205	10.0524280
26	818.42	112764.78	. 40085	.0521735
25	799.12	112698.72	. 38965	.0519190
24	779.81	112632.71	9.8737844	.0516645
23	760.49	2566.74	. 36722	.0514101
22	741.17	2500.81	. 35599	.0511557
21	721.84	2434.93	9.8734476	.0509013
20	702.51	2369.09	. 33352	.0506469
19	683.17	2303.29	. 32227	.0503925
18	663.82	2237.54	. 31102	.0501381
17	644.46	2171.83	. 29976	.0498838
16	625.10	2106.16	9.8728840	.0496295
15	605.74	2040.53	. 27722	.0493752
14	586.37	1974.95	. 26594	.0491209
13	566.99	1909.41	. 25466	.0488666
12	547.60	1843.91	. 24337	.0486124
11	74528.21	111778.46	. 23207	.0483581
10	508.81	1713.05	. 22076	.0481039
9	489.40	1647.68	. 20945	.0478497
8	469.99	1582.35	. 19813	.0475955
7	450.57	1517.06	. 18681	.0473413
6	431.15	1451.82	. 17548	.0470872
5	411.72	1386.62	. 16414	.0468330
4	392.29	1321.46	. 15279	.0465789
3	372.85	1256.35	. 14144	.0463248
2	353.40	1191.27	. 13008	.0460707
1	333.94	1126.24	. 11872	.0458166
0	314.48	1061.25	. 10735	10.0455626

42. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	66913.06	90040.41	9.8255109	9.9544374
1	66934.67	90093.09	9.8256512	9.9546915
2	66956.28	90145.80	9.8257913	9.9549455
3	66977.88	90198.54	9.8259314	9.9551995
4	66999.48	251.31	.8260715	.9554535
5	67021.07	304.11	.8262114	.9557075
6	67042.66	356.94	.8263512	.9559615
7	67064.24	409.79	.8264901	.9562154
8	085.82	462.67	.8266307	.9564694
9	107.30	515.58	.8267703	.9567233
10	128.95	568.51	.8269098	.9569772
11	150.51	621.47	.8270493	.9572311
12	172.06	674.46	.8272887	.9574850
13	193.61	727.48	.8273279	.9577389
14	215.15	780.53	.8274671	.9579927
15	236.68	833.60	.8276063	.9582465
16	258.21	886.71	.8277453	.9585004
17	279.73	939.84	.8278843	.9587542
18	301.25	993.00	.8280231	.9590080
19	322.76	91046.19	.8281619	.9592618
20	344.27	91099.41	.8283006	.9595155
21	365.77	91152.65	.8284393	.9597693
22	387.27	205.92	.8285778	.9600230
23	408.76	259.22	.8287163	.9602767
24	430.24	312.55	.8288547	.9605305
25	451.72	365.91	.8289930	.9607842
26	473.19	419.29	.8291312	.9610378
27	494.66	472.70	.8292694	.9612915
28	516.12	526.15	.8294075	.9615452
29	537.57	579.62	.8295454	.9617988
30	559.02	633.12	.8296833	.9620525

47. Grad.

[illegible]	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	74314.48	111061.25	9.8710735	10.0455626
59	74295.01	110996.30	9.8709597	10.0453085
58	74275.54	110931.40	9.8708458	10.0450545
57	74256.06	110866.53	9.8707319	10.0448005
56	236.57	0801.71	9.8706179	.0445465
55	217.08	0736.93	05039	.0442925
54	197.58	0672.19	03898	.0440385
53	178.08	0607.59	9.8702756	.0437846
52	158.57	0542.84	01613	.0435306
51	139.05	0478.23	9.8700470	.0432767
50	119.53	0413.65	.8699326	.0430228
49	100.00	0349.12	.8698182	.0427689
48	080.46	0284.63	.8697037	.0425150
47	060.92	0220.19	95891	.0422611
46	041.37	0155.78	94744	.0420073
45	021.81	0091.41	93597	.0417535
44	74002.25	0027.09	92449	.0414996
43	73982.68	9962.81	91301	.0412458
42	73963.11	9898.56	90152	.0409920
41	943.53	9834.36	89002	.0407382
40	923.94	9770.20	87851	.0404845
39	904.35	9706.08	86700	.0402307
38	884.75	9642.01	85548	.0399770
37	865.15	9577.97	84396	.0397233
36	845.54	9513.97	83242	.0394695
35	825.92	9450.02	82088	.0392158
34	806.29	9386.01	9.8680934	.0389621 21
33	786.66	9322.23	79779	.0387085
32	767.02	9258.40	78623	.0384548
31	747.38	9194.60	77466	.0382012
30	727.73	9130.85	76309	.0379475

42. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	67559.02	91633.12	9.8296833	9.9620525
31	67580.46	91686.65	9.8298212	9.9623061
32	67601.90	91740.20	9.8299589	9.9625597
33	67623.33	91793.79	9.8300966	9.9628133
34	67644.76	91847.40	.8302342	.9630669
35	67666.18	91901.04	. 03717	.9633204
36	67687.60	91954.71	. 05091	.9635740
37	67709.01	92008.41	. 06464	.9638275
38	67730.41	92062.14	. 07837	.9640811
39	67751.81	92115.90	. 09209	.9643346
40	67773.20	92169.68	. 10580	.9645881
41	67794.59	92223.50	. 11950	.9648416
42	67815.97	92277.34	9.8313320	.9650951
43	67837.34	92331.22	. 14688	.9653486
44	67858.71	92385.12	. 16056	.9656020
45	67880.07	92439.05	. 17423	.9658555
46	67901.43	92493.01	. 18789	.9661089
47	67922.78	92547.00	. 20155	.9663632
48	67944.13	92601.01	. 21519	.9666157
49	67965.47	92655.06	. 22883	.9668692
50	67986.81	92709.14	. 24246	.9671225
51	68008.14	92763.24	. 25609	.9673759
52	68029.46	92817.38	. 26970	.9676293
53	68050.78	92871.54	. 28331	.9678827
54	68072.09	92925.73	. 29691	.9681360
55	68093.39	92979.96	. 31050	.9683893
56	68114.69	93034.21	. 32408	.9686427
57	68135.99	93088.49	. 33766	.9688960
58	68157.28	93142.80	. 35122	.9691493
59	68178.56	93197.14	. 36478	.9694026
60	68199.84	93251.51	. 37833	.9696559

47. Grad

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	73727. 73	109130.85	9.8676309	10.0379475
29	73708.08	109067.14	9.8675151	10.0376939
28	73688.42	109003.47	9.8673992	10.0374403
27	73668.75	108939.83	9.8672833	10.0371867
26	649.07	108876.24	. 71673	.0369331
25	629.39	108812.69	. 70512	.0366796
24	609 71	8749.18	. 69351	.0364260
23	590.02	8685.71	. 68189	.0361725
22	570.32	8622.28	. 67026	.0359189
21	550.61	8558.89	. 65863	.0356654
20	530.90	8495.54	. 64699	.0354119
19	511.18	8432.23	. 63534	.0351584
18	491.46	8368.96	. 62369	.0349049
17	471.73	8305.73	. 61203	.0346514
16	451.99	8242.54	. 60036	.0343980
15	432.25	8179.39	. 58868	.0341445
14	412.50	8116.28	9.8657700	.0338911
13	392.75	8053.21	. 56531	.0336377
12	372.99	7990.18	. 55362	.0333843
11	353.22	7927.18	. 54192	.0331308
10	333.45	7864.23	. 53021	.0328775
9	313.67	7801.32	. 51849	.0326241
8	293. 88	7738.44	. 50677	.0323707
7	274.09	7675.61	. 49504	.0321173
6	254.29	7612.82	. 48331	.0318640
5	234.48	7550.06	. 47156	.0316107
4	214.67	7487.34	9.8645981	.0313573
3	194. 86	7424.67	. 44806	.0311040
2	175.03	7362.03	. 43629	.0308507
1	155.21	7299.43	. 42452	.0305974
0	135.37	7236.87	. 41275	.0303441

43. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	68199.84	93251.51	9.8337833	9.9696559
1	68221.11	93305.91	9.8339188	9.9699091
2	68242.37	93360.34	9.8340541	9.9601624
3	68263.63	93414.79	9.8341894	9.9604157
4	68284.88	93469.28	.8343246	.9606689
5	68306.13	93523.80	. 44597	.9609221
6	68327.37	93578.34	. 45948	.9611754
7	68348.61	93632.92	. 47297	.9614286
8	68369.84	93687.53	. 48646	.9616818
9	68391.07	93742.16	. 49994	.9619350
10	68412.29	93769.83	. 51341	.9621882
11	68433.50	93851.52	. 52688	.9624413
12	68454.71	93906.25	. 54033	.9626945
13	68475.91	93961.01	. 55378	.9629477
14	68497.11	94015.79	. 56722	.9632008
15	68518.03	94070.61	. 58066	.9634539
16	68539.48	94125.45	. 59408	.9637071
17	68560.66	94180.33	. 60750	.9639602
18	68581.83	94235.23	. 62091	.9642133
19	68603.00	94290.17	. 63431	.9644664
20	68624.16	94345.13	9.8364771	.9647195
21	68645.32	94400.13	. 66109	.9649726
22	68666.47	94455.16	. 67447	.9652257
23	68687.61	94510.21	. 68784	.9654787
24	68708.75	94565.30	9.8370121	.9657318
25	68729.88	94620.42	. 71456	.9659849
26	68751.01	94675.56	. 72791	.9662379
27	68772.13	94730.74	. 74125	.9664909
28	68793.24	94785.95	. 75458	.9667440
39	68814.35	94841.19	. 76790	.9669970
20	68835.45	94896.46	. 78122	.977250[illegible]

46. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	73135.37	107236.87	9.8641275	10.0303441
59	73115.53	107174.35	9.8640096	10.0300909
58	73095.68	107111.87	9.8638917	10.0298376
57	73075.83	107049.43	9.8637737	10.0295843
56	73055.97	106987.02	. 36557	.0293311
55	73036.10	106924.66	. 35376	.0290779
54	73016.23	106862.33	. 34194	.0288246
53	72996.35	6800.04	. 33011	.0285714
52	72976.46	6737.79	. 31828	.0283182
51	72956.57	6675.158	. 30644	.0280650
50	72936.67	6613.41	. 29460	.0278118
49	72916.77	6551.28	. 28274	.0275587
48	72896.86	6489.18	. 27088	.0273055
47	72876.94	6427.13	. 25902	.0270523
46	72857.02	6365.11	. 24714	.0267992
45	72837.09	6303.13	. 23526	.0265461
44	72817.16	6241.19	. 22338	.0262929
43	72797.22	6179.29	. 21148	.0260398
42	72777.27	6117.42	. 19958	.0257867
41	72757.32	6055.60	. 18767	.0255336
40	72737.36	5993.81	. 17576	.0252805
39	72717.40	5932.06	. 16383	.0250274
38	72697.43	5870.34	. 15190	.0247743
37	72677.45	5808.67	. 13997	.0245213
36	72657.47	5747.03	12803	.0242682
35	72637.48	5685.44	11608	.0240151
34	72617.48	5623.88	. 10412	.0237621
33	72597.48	5562.35	. 09215	.0235091
32	72577.47	5500.87	. 08018	.0232560
31	72557.46	5439.42	. 06821	.0230030
30	72537.44	5378.25	. 05622	.0227500

43. Grad.

Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	68835.45	94896.46	9.8378122	9.9772500
31	68856.55	94951.76	9.8379453	9.9775030
32	68877.65	95007.09	9.8380783	9.9777560
33	68898.37	95062.45	9.8382112	9.9780090
34	919.81	117.84	. 83441	.9782620
35	940.89	173.26	9.8384769	.9785149
36	961.95	228.71	. 86096	.9787679
37	983.02	284.20	. 87422	.9790209
38	69004.07	339.71	. 88747	.9792738
39	69025.12	395.26	. 90072	.9795268
40	69046.17	450.83	. 91396	.9797797
41	067.21	506.44	. 92719	.9800326
42	088.24	562.08	. 94041	.9802856
43	109.27	617.74	. 95363	. 05385
44	130.29	673.44	. 96684	. 07914
45	151.31	729.17	. 98004	. 10443
46	172.32	784.94	. 99323	9.9812972
47	193.32	846.73	.8400640	. 15501
48	214.32	896.55	.8401959	. 18030
49	235.31	952.41	9.8403276	. 20559
50	256.30	96008.29	. 04593	. 23087
51	277.28	96064.21	. 05908	. 25616
52	298.25	96120.16	. 07223	. 28145
53	319.22	176.14	. 08537	. 30673
54	340.18	232.15	. 09850	. 33202
55	361.14	288.19	. 11162	. 35730
56	382.09	344.27	9.8412474	. 38259
57	403.04	400.37	. 13785	. 40787
58	423.98	456.51	. 15095	. 43315
59	444.91	512.68	. 16404	. 45844
60	465.84	568.88	. 17713	. 48372

Min.	46. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	72537.44	105378.01	9.8605622	10.0227500
29	72517.41	105316.64	9.8604423	10.0224970
28	72497.38	105255.31	9.8603223	10.0222440
27	72477.34	105194.01	9.8602022	10.0299110
26	457.29	5132.75	.8600821	.0217380
25	437.24	5071.53	.8599619	.9214851
24	417.18	5010.34	.8598416	.0212321
23	397.29	4949.20	. 97213	.0209791
22	377.05	4888.09	. 96009	.0207262
21	356.98	4827.02	. 94804	.0204732
20	336.90	4765.98	. 93599	.0202203
19	316.81	4704.98	. 92393	.0199674
18	296.71	4644.02	9.85 91186	.0197144
17	276.61	4583.10	. 89978	.0194615
16	256.51	4522.21	. 88770	.0192086
15	236.40	4461.36	. 87561	.0189557
14	216.28	4400.55	. 86351	.0187028
13	196.15	4339.77	. 85141	.0184495
12	176.02	4279.04	. 83929	.0181970
11	155.88	4218.33	. 82718	.0179341
10	135.74	4157.67	9.85 81505	.0176913
9	115.59	4097.04	. 80292	.0174384
8	095.44	4036.45	. 79078	.0171855
7	075.28	3975.89	. 77863	.0169327
6	955.11	3915.37	. 76648	.0166798
5	034.94	3854.89	. 75432	.0164270
4	014.76	3794.45	. 74215	.0161741
3	71994.57	3734.04	. 72998	.0159213
2	71974.38	3673.67	. 71779	.0156685
1	71954.18	3613.33	. 70561	.0154156
0	71933.38	3553.01	9.85 69341	10.0151628

44. Grad.

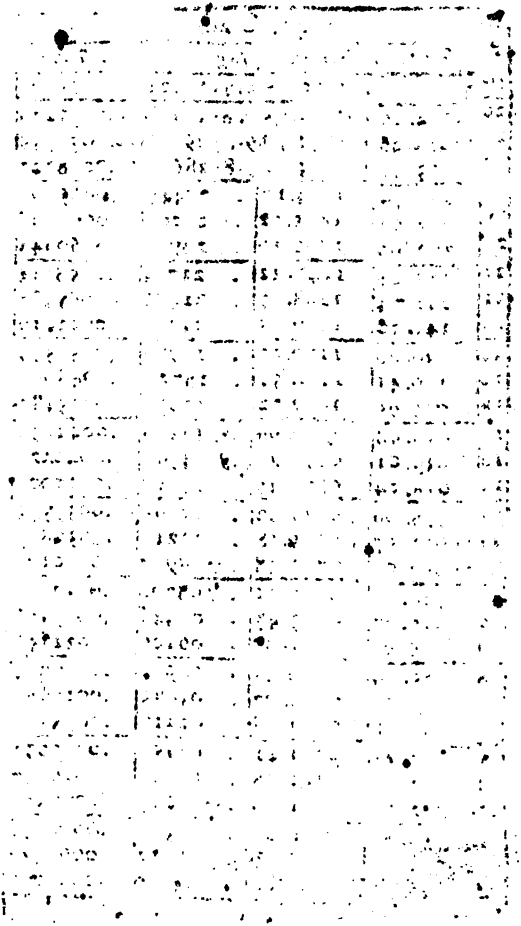
Min.	Sinus.	Tang.	Log. Sin.	Log. Tang.
0	69465.84	96568.88	9.8417713	9.9848372
1	69486.76	96625.11	9.8419021	9.9850900
2	69507.67	96681.37	9.8420328	9.9853428
3	69528.58	96737.67	9.8421634	9.9855956
4	69549.49	96794.00	.8422939	.9858484
5	69570.39	96850.35	. 24244	.9861012
6	69591.28	96906.74	. 25548	.9863540
7	69612.17	96963.16	. 26851	.9866068
8	69633.05	97019.62	. 28154	.9868596
9	69653.92	97076.10	9.84 29456	.9871123
10	69674.79	97132.62	. 30757	.9873651
11	69695.65	97189.17	. 32057	.9876179
12	69716.51	97245.75	. 33356	.9878706
13	69737.36	97302.36	. 34655	.9881234
14	69758.21	97359.01	. 35953	.9883761
15	69779.05	97415.69	9.8437250	.9886289
16	69799.88	97472.40	. 38547	.9888816
17	69820.71	97529.14	. 39842	.9891344
18	69841.53	97585.91	. 41137	.9893871
19	69862.34	97642.72	. 42432	.9896399
20	69883.15	97699.56	. 43725	.9898926
21	69903.96	97756.43	. 45018	.9901453
22	69924.76	97813.33	. 46310	.9903981
23	69945.55	97870.27	. 47601	.9906508
24	69966.33	97927.24	. 48891	.9909035
25	69987.11	97984.24	9.8450181	.9911562
26	70007.89	98041.27	. 51470	.9914089
27	70028.66	98098.33	. 52758	.9916616
28	70049.42	98155.43	. 54045	.9919143
29	70070.18	98212.56	. 55332	.9921670
30	70090.93	98260.73	. 56618	.9924197

M.	45. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
60	71933.98	1035[illegible].03	9.8569341	10.0157628
59	71913.77	103492.77	9.8568121	10.01491[illegible]
58	71893.55	103432.54	9.8566900	10.0146572
57	71873.33	103372.35	9.8565678	10.0144044
56	853.10	3312.20	64455	.0141516
55	832.87	3252.08	63232	.0138988
54	812.63	3191.99	62008	.0136460
53	792.38	3131.95	60784	.0133932
52	772.13	3071.94	59558	.0131404
51	751.87	3011.96	58332	.0128877
50	731.61	2952.03	57106	.0126349
49	711.34	2892.12	55878	.0123821
48	691.06	28[illegible].26	54650	.0121294
47	670.78	2772.43	53421	.0118766
46	650.49	2712.63	52192	.0116239
45	630.19	2652.87	50961	.0113711
44	609.88	2593.15	9.8549730	.0111184
43	589.58	2533.46	48499	.0108656
42	569.27	2473.81	47266	.0106129
41	548.95	2414.19	46033	.0103601
40	528.63	2354.61	44799	.0101074
39	508.30	2295.06	43564	.0098547
38	487.96	2235.55	42329	.0096019
37	467.62	2176.08	41093	.0093492
36	447.27	2116.64	39856	.0090964
35	426.91	2057.23	38619	.0088438
34	406.55	1997.86	9.8537381	.0085911
33	386.18	1938.53	36142	.0083384
32	365.81	1879.23	34902	.0080857
31	345.43	1819.97	33662	.0078330
30	325.05	1760.74	32421	.00758[illegible]

Min.	44. Grad.			
	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	70090.93	98269.73	9.8[illegible]661[illegible]	9.9924197
31	70111.67	98326.92	9.8457903	9.9926724
32	70132.41	98384.15	9.8459188	9.9929251
33	70153.14	98441.41	9.8460471	9.9931778
34	173.87	98498.71	.8461754	.9934305
35	194.59	98556.03	63036	.9936832
36	215.30	98613.39	64318	.9939359
37	236.01	98670.79	65599	.9941886
38	256.71	98728.21	66879	.9944413
39	277.41	98785.67	68158	.9946940
40	298.10	98843.16	69436	.9949466
41	318.79	98900.69	70714	.9951993
42	339.47	98958.25	9.8471991	.9954520
43	360.14	99015.84	73267	.9957047
44	380.81	99073.46	9.8474543	.9959573
45	401.47	99131.12	75817	.9962100
46	422.13	99188.81	77091	.9964627
47	442.78	99246.54	78365	.9967154
48	423.42	99304.29	79637	.9969680
49	484.06	99362.08	80909	.9972207
50	504.69	99419.91	82180	.9974734
51	525.32	99477.77	83450	.9977260
52	545.94	99535.66	84720	.9979787
53	566.55	99593.58	85989	.9982314
54	587.16	99651.54	87257	.9984840
55	607.76	99709.53	88524	.9987367
56	628.35	99767.56	89791	.9989893
57	648.94	99825.62	91057	.9992420
58	669.53	99883.71	92322	.9994947
59	690.11	99941.84	93586	.9997473
60	710.68	100000.00	94850	10.0000000

45. Grad.

	Sinus.	Tang.	Log. Sin.	Log. Tang.
30	71325.05	101760.74	9.8532421	10.0075803
29	71304.66	101701.55	9.8531179	10.0073276
28	71284.26	101642.39	9.8529936	10.0070749
27	71263.85	101583.26	9.8528693	10.0068222
26	243.44	1524.17	. 27449	.0065695
25	223.03	1465.12	. 26204	.0063168
24	202.00	1406.10	. 24959	.0060641
23	182.18	1347.12	. 23713	.0058114
22	161.74	1288.17	. 22466	.0055587
21	141.30	1229.25	. 21218	.0053010
20	120.86	1170.37	. 19970	.0050534
19	100.41	1111.53	. 18721	.0048007
18	079.95	1052.72	. 17471	.0045480
17	059.48	0993.94	9.8516220	.0042953
16	039.01	0935.26	9.8514969	.0040427
15	018.54	0876.49	. 13717	.0037900
14	70998.06	0817.82	. 12465	.0035373
13	70977.57	0759.18	. 11211	.0032846
12	70957.07	0700.58	9.8509957	.0030320
11	936.57	0642.01	9.8508702	.0027793
10	916.07	0583.47	. 07446	.0025266
9	895.56	0524.97	. 06190	.0022740
8	875.04	0466.51	. 04933	.0020213
7	854.51	0408.07	. 03675	.0017686
6	833.98	0349.68	. 02417	.0015160
5	813.45	0291.31	. 01157	.0012633
4	792.91	0232.98	.8499897	.0010107
3	772.36	0174.69	.8498637	.0007580
2	751.80	0116.42	. 97375	.0005053
1	731.24	0058.19	. 96113	.0002527
0	710.68	0000.00	. 94850	.0000000



H. BRIGGII
TABVLA
LOGARITHMO-RVM,

Pro numeris naturali serie crescentibus.

N.	Logarith.	N.	Logarith.	N.	Logarith.
1	0.0000000	34	1.5314789	67	1.8260748
2	0.3010300	35	1.5440680	68	1.8325089
3	0.4771213	36	1.5563025	69	1.8388491
4	0.6020600	37	1.5682017	70	1.8450980
5	0.6989700	38	1.5797836	71	1.8512583
6	0.7781513	39	.5910646	72	.8573325
7	0.8450980	40	.6020600	73	.8633229
8	0.9030900	41	.6127839	74	.8692317
9	0.9542425	42	.6232493	75	.8750613
10	1.0000000	43	.6334685	76	.8808136
11	1.0413927	44	.6434527	77	.8864907
12	1.0791812	45	.6532125	78	.8920946
13	.1139433	46	.6627578	79	.8976271
14	.1461280	47	.6720979	80	.9030900
15	.1760913	48	.6812412	81	.9084850
16	.2041200	49	.6901961	82	.9138138
17	.2304489	50	.6989700	83	.9190781
18	.2552725	51	.7075702	84	.9242793
19	.2787536	52	.7160033	85	.9294189
20	.3010300	53	.7242759	86	.9344984
21	.3222193	54	.7323938	87	.9395192
22	.3424227	55	.7403627	88	.9444827
23	.3617278	56	.7481880	89	.9493900
24	.3802112	57	.7558748	90	.9542425
25	.3979400	58	.7634280	91	.9590414
26	.4149733	59	.7708520	92	.9637878
27	.4313638	60	.7781512	93	.9684829
28	.4471580	61	.7853298	94	.9731279
29	.4623980	62	.7923917	95	.9777236
30	.4771212	63	.7993405	96	.9822712
31	.4913617	64	.8061800	97	.9867717
32	.5051500	65	.8129134	98	.9912261
33	.5185139	66	.8195439	99	.9956352
34	.5314789	67	.8260748	100	2.0000000

N.	Logarith.	N.	Logarith.	N.	Logarith.
101	2.0043214	134	2.1271048	167	2.2227165
102	2.0086002	135	2.1303338	168	2.2253093
103	2.0128372	136	2.1335389	169	2.2278867
104	2.0170333	137	2.1367206	170	2.2304489
105	2.0211893	138	2.1398791	171	2.2329961
06	.0253059	39	.1430148	72	.2355284
07	.0293838	40	.1461280	73	.2380461
08	.0334238	41	.1492191	74	.2405492
09	.0374265	42	.1522883	75	.2430380
10	.0413927	43	.1553360	76	.2455127
11	.0453230	44	.1583625	77	.2479733
12	.0492180	45	.1613680	78	.2504200
13	.0530784	46	.1643529	79	2528530
14	.0569049	47	.1673173	80	.2552725
15	.0606978	48	.1702617	81	.2576786
16	.0644580	49	.1731863	82	.2600714
17	.0681859	50	.1760913	83	.2624511
18	.0718820	51	.1789769	84	.2648178
19	.0755470	52	.1818436	85	.2671717
20	.0791812	53	.1846914	86	.2695129
21	.0827854	54	.1875207	87	.2718416
22	.0863598	55	.1903317	88	.2741578
23	.0899051	56	.1931246	89	.2764618
24	.0934217	57	.1958996	90	.2787536
25	.0969100	58	.1986571	91	.2810334
26	.1003705	59	.2013971	92	.2833012
27	.1038037	60	.2041200	93	.2855573
28	.1072100	61	.2068259	94	.2878017
29	.1105897	62	.2095150	95	.2900346
30	.1139433	63	.2121876	96	.2922561
31	.1172713	64	.2148438	97	.2944662
32	.1205739	65	.2174839	98	.2966652
33	.1238516	66	.2201081	99	.2988531
34	.1271048	67	.2227165	200	.3010300

N.	Logarith.	N.	Logarith.	N.	Logarith.
201	2.3031961	234	2.3692159	267	2.4265113
202	2.3053514	235	2.3710679	268	2.4281348
203	2.3074960	236	2.3729120	269	2.4297523
204	2.3096302	237	2.3747483	270	2.4313638
205	2.3117539	238	2.3765770	271	2.4329693
06	2.3138672	39	.3783979	72	.4345689
07	2.3159703	40	.3802112	73	.4361626
08	.3180633	41	.3820170	74	.4377506
09	.3201463	42	.3838154	75	.4393327
10	.3222193	43	.3856063	76	.4409091
11	.3242824	44	.3873898	77	.4423798
12	.3263359	45	.3891661	78	.4440448
13	.3283796	46	.3909351	79	.4456042
14	.3304138	47	.3926969	80	.4471580
15	.3324385	48	.3944517	81	.4487063
16	.3344537	49	.3961993	82	.4502491
17	.3364597	50	.3979400	83	.4517864
18	.3384565	51	.3996737	84	.4533183
19	.3404441	52	.4014005	85	.4548449
20	.3424227	53	.4031205	86	.4563660
21	.3443923	54	.4048337	87	.4578819
22	.3463530	55	.4065402	88	.4593925
23	.3483049	56	.4082400	89	.4608978
24	.3502480	57	.4099331	90	.4623980
25	.3521825	58	.4116197	91	.4638930
26	.3541084	59	.4132998	92	.4653828
27	.3560259	60	.4149733	93	.4668676
28	.3579348	61	.4166405	94	.4683473
29	.3598355	62	.4183013	95	.4698220
30	.3617278	63	.4199557	96	.4712917
31	.3636120	64	.4216039	97	.4727564
32	.3654880	65	.4232459	98	.4742163
33	.3673559	66	.4248816	99	.4756712
34	.3692159	67	.4265113	300	.4771213

N.	Logarith.	N.	Logarith.	N.	Logarith.
301	2.4785665	334	2.5237465	367	2.5636661
302	2.4800069	335	2.5250448	368	2.5658478
303	2.4814426	336	2.5263393	369	2.5670264
304	2.4828736	337	2.5276299	370	2.5682017
305	2.4842998	338	2.5289167	371	2.5693739
06	.4857214	39	.5301997	72	.5705429
07	.4871384	40	.5314789	73	.5717088
08	.4885507	41	.5327544	74	.5728716
09	.4899585	42	.5340261	75	.5740313
10	.4913617	43	.5352941	76	.5751878
11	.4927604	44	.5365584	77	.5763413
12	.4941546	45	.5378191	78	.5774918
13	.4955443	46	.5390761	79	.5786392
14	.4969296	47	.5403295	80	.5797836
15	.4983106	48	.5415792	81	.5809250
16	.4996871	49	.5428254	82	.5820634
17	.5010593	50	.5440680	83	.5831988
18	.5024271	51	.5453071	84	.5843312
19	.5037907	52	.5465427	85	.5854607
20	.5051500	53	.5477477	86	.5865873
21	.5065050	54	.5490033	87	.5877110
22	.5078559	55	.5502284	88	.5888317
23	.5092025	56	.5514500	89	.5899496
24	.5105450	57	.5526682	90	.5910649
25	.5118834	58	.5538830	91	.5921768
26	.5132176	59	.5550944	92	.5932861
27	.5145477	60	.5563025	93	.5943925
28	.5158738	61	.5575072	94	.5954962
29	.5171959	62	.5587086	95	.5965971
30	.5185139	63	.5599066	96	.5976952
31	.5198280	64	.5611014	97	.5987905
32	.5211381	65	.5622929	98	.5998831
33	.5224442	66	.5634811	99	.6009729
34	.5237465	67	.5646661	400	.6020600

N.	Logarith.	N.	Logarith.	N.	Logarith.
401	2.6031444	434	2.6374897	467	2.6693169
402	2.6042261	435	2.6384893	468	2.6702459
403	2.6053050	436	2.6394865	469	2.6711728
404	2.6063814	437	2.6404814	470	2.6720979
405	2.6074550	438	2.6414741	471	2.6730209
406	.6085260	39	.6424645	72	.6739420
07	.6095944	40	.6434527	73	.6748611
08	.6106602	41	.6444386	74	.6757783
09	.6117233	42	.6454223	75	.6766936
10	.6127839	43	.6464037	76	.6776069
411	.6138418	44	.6473830	77	.6785184
12	.6148972	45	.6483600	78	.6794279
13	.6159500	46	.6493349	79	.6803355
14	.6170003	47	.6503075	80	.6812412
15	.6180481	48	.6512780	81	.6821451
16	.6190933	49	.6522463	82	.6830470
17	.6201361	50	.6532125	83	.6839471
18	.6211763	51	.6541765	84	.6848454
19	.6222140	52	.6551384	85	.6857417
20	.6232493	53	.6560982	86	.6866363
21	.6242821	54	.6570558	87	.6875290
22	.6253124	55	.658[illegible]14	88	.6884198
23	.6263404	56	.6589648	89	.6893089
24	.6273659	57	.6599162	90	.6901961
25	.6283889	58	.6608055	91	.6910815
26	.6294096	59	.6618127	92	.6919651
27	.6304279	60	.6627578	93	.6928469
28	.6314438	61	.6637009	94	.6937269
29	.6324573	62	.6646420	95	.6946052
30	.6334685	63	.6655810	96	.6954817
31	.6344773	64	.6665180	97	.6963564
32	.6354837	65	.6674429	98	.6972293
33	.6364879	66	.6683859	99	.6981005
34	.6374897	67	.6693169	500	.6989700

N.	Logarith.	N.	Logarith.	N.	Logarith.
501	2.6998377	534	2.7275413	567	2.7535831
502	2.7007037	535	2.7283538	568	2.7543483
503	2.7015680	536	2.7291648	569	2.7551123
504	2.7024305	537	2.7299743	570	2.7558749
505	2.7032914	538	2.7307823	571	2.7566361
06	.7041505	39	.7315888	72	.7573960
07	.7050080	40	.7323938	73	.7581546
08	.7058637	41	.7331973	74	.7589119
09	.7067178	42	.7339993	75	.7596678
10	.7075702	43	.7347998	76	.7604225
11	.7084209	44	.7355989	77	.7611758
12	.7092700	45	.7363965	78	.7619278
13	.7101174	46	.7371926	79	.7626786
14	.7109631	47	.7379873	80	.7634280
15	.7118072	48	.7387806	81	.7641761
16	.7126497	49	.7395723	82	.7649230
17	.7134905	50	.7403627	83	.7656686
18	.7143298	51	.7411516	84	.7664128
19	.7151674	52	.7419391	85	.7671559
20	.7160033	53	.7427252	86	.7678976
21	.7168377	54	.7435098	87	.7686381
22	.7176705	55	.7442930	88	.7693773
23	.7185017	56	.7450748	89	.7701153
24	.7193313	57	.7458552	90	.7708520
25	.7201593	58	.7466342	91	.7715875
26	.7209857	59	.7474118	92	.7723217
27	.7218106	60	.7481880	93	.7730547
28	.7226339	62	.7489629	94	.7737864
29	.7234557	62	.7497363	95	.7745170
30	.7242759	63	.7505084	96	.7752463
31	.7250945	64	.7512791	97	.7759743
32	.7259116	65	.7520484	98	.7767012
33	.7267272	66	.7528164	99	.7774268
34	.7275413	67	.7535831	600	.7781512

N.	Logarith.	N.	Logarith.	N.	Logarith.
601	2.7788745	634	2.8020893	667	2.8241258
602	2.7795965	635	2.8027737	668	2.8247765
603	2.7803173	636	2.8034571	669	2.8254261
604	2.7810369	637	2.8041394	670	2.8260748
605	2.7817554	638	2.8048207	671	2.8267225
06	.7824726	39	.8055009	72	.8273693
07	.7831887	40	.8061800	73	.8280151
08	.7839036	41	.8068580	74	.8286599
09	.7846173	42	.8075350	75	.8293038
10	.7853298	43	.8082110	76	.8299467
11	.7860412	44	.8088859	77	.8305887
12	.7867514	45	.8095597	78	.8312297
13	.7874605	46	.8102325	79	.8318698
14	.7881684	47	.8109043	80	.8325089
15	.7888751	48	.8115750	81	.8331471
16	.7895807	49	.8122447	82	.8337844
17	.7902852	50	.8129134	83	.8344207
18	.7909885	51	.8135810	84	.8350561
19	.7916906	52	.8142476	85	.8356906
20	.7923917	53	.8149132	86	.8363241
21	.7930916	54	.8155777	87	.8369567
22	.7937904	55	.8162413	88	.8375884
23	.7944880	56	.8169038	89	.8382192
24	.7951846	57	.8175654	90	.8388491
25	.7958800	58	.8182259	91	.8394780
26	.7965743	59	.8188854	92	.8401061
27	.7972675	60	.8195439	93	.8407332
28	.7979596	61	.8202015	94	.8413595
29	.7986506	62	.8208580	95	.8419848
30	.7993405	63	.8215135	96	.8426092
31	.8000294	64	.8221681	97	.8432328
32	.8007171	65	.8228216	98	.8438554
33	.8014037	66	.8234742	99	.8444772
34	.8020893	67	.8241258	700	.8450980

N.	Logarith.	N.	Logarith.	N.	Logarith.
701	2.8457180	734	2.8656961	767	2.8847954
702	2.8463371	735	2.8662873	768	2.8853612
703	2.8469553	736	2.8668778	769	2.8859263
704	2.8475727	737	2.8674675	770	2.8864907
705	2.8481891	738	2.8680564	771	2.8870544
06	.8488047	39	.8686444	72	.8876173
07	.8494194	40	.8692317	73	.8881795
08	.8500333	41	.8698182	74	.8887410
09	.8506462	42	.8704039	75	.8893017
10	.8512583	43	.8709888	76	.8898617
11	.8518696	44	.8715729	77	.8904210
12	.8524800	45	.8721563	78	.8909796
13	.8530895	46	.8727388	79	.8915375
14	.8536982	47	.8733206	80	.8920946
15	.8543060	48	.8739016	81	.8926510
16	.8549130	49	.8744818	82	.8932068
17	.8555192	50	.8750613	83	.8937618
18	.8561244	51	.8756399	84	.8943161
19	.8567289	52	.8762178	85	.8948696
20	.8573325	53	.8767950	86	.8954225
21	.8579353	54	.8773713	87	.8959747
22	.8585372	55	.8779469	88	.8965262
23	.8591383	56	.8785218	89	.8970770
24	.8597386	57	.8790959	90	.8976271
25	.8603380	58	.8796692	91	.8981765
26	.8609366	59	.8802418	92	.8987252
27	.8615344	60	.8808136	93	.8992732
28	.8621314	61	.8813847	94	.8998205
29	.8627275	62	.8819550	95	.9003671
30	.8633229	63	.8825245	96	.9009131
31	.8639174	64	.8830934	97	.9014583
32	.8645111	65	.8836614	98	.9020029
33	.8651040	66	.8842288	99	.9025468
34	.8656961	67	.8847954	800	.9030900

N.	Logarith.	N.	Logarith.	N.	Logarith.
801	2.9036325	834	2.9211660	867	2.9380191
802	2.9041744	835	2.9216865	868	2.9385197
803	2.9047155	836	2.9222063	869	2.9390198
804	2.9052560	837	2.9227255	870	2.9395192
805	2.9057959	838	2.9232440	871	2.9400192
06	.9063350	39	.9237620	72	.9405165
07	.9068735	40	.9242793	73	.9410142
08	.9074114	41	.9247960	74	.9415114
09	.9079485	42	.9253121	75	.9420081
10	.9084850	43	.9258276	76	.9425041
11	.9090208	44	.9263424	77	.9429996
12	.9095560	45	.9268567	78	.9434945
13	.9100905	46	.9273704	79	.9439889
14	.9106244	47	.9278834	80	.9444827
15	.9111576	48	.9283959	81	.9449759
16	.9116902	49	.9289077	82	.9454686
17	.9122221	50	.9294189	83	.9459607
18	.9127533	51	.9299296	84	.9464523
19	.9132839	52	.9304396	85	.9469433
20	.9138139	53	.9309490	86	.9474337
21	.9143432	54	.9314579	87	.9479236
22	.9148718	55	.9319661	88	.9484130
23	.9153998	56	.9324738	89	.9489018
24	.9159272	57	.9329808	90	.9493900
25	.9164539	58	.9334873	91	.9498777
26	.9169800	59	.9339932	92	.9503648
27	.9175055	60	.9344984	93	.9508515
28	.9180303	61	.9350031	94	.9513375
29	.9185545	62	.9355073	95	.9518230
30	.9190781	63	.9360108	96	.9523080
31	.9196010	64	.9365137	97	.9527924
32	.9201233	65	.9370161	98	.9532763
33	.9206450	66	.9375179	99	.9537597
34	.9211660	67	.9380191	900	.9542425

N.	Logarith.	N.	Logarith.	N.	Logarith.
901	2.9547248	934	2.9703469	967	2.9854265
902	2.9552065	935	2.9708116	968	2.9858754
903	2.9556877	936	2.9712758	969	2.9863238
904	2.9561684	937	2.9717396	970	2.9867717
905	2.9566486	938	2.9722028	971	2.9872192
06	.9571282	39	.9726656	72	.9876663
07	.9576073	40	.9731279	73	.9881128
08	.9580858	41	.9735896	74	.9885590
09	.9585639	42	.9740509	75	.9890046
10	.9590414	43	.9745117	76	.9894498
11	.9595184	44	.9749720	77	.9898946
12	.9599948	45	.9754318	78	.9903389
13	.9604708	46	.9758911	79	.9907827
14	.9609462	47	.9763500	80	.9912261
15	.9614211	48	.9768083	81	.9916690
16	.9618955	49	.9772662	82	.9921115
17	.9623693	50	.9777236	83	.9925535
18	.9628427	51	.9781805	84	.9929951
19	.9633155	52	.9786369	85	.9934362
20	.9637878	53	.9790929	86	.9938769
21	.9642596	54	.9795484	87	.9943172
22	.9647309	55	.9800034	88	.9947569
23	.9652017	56	.9804579	89	.9951963
24	.9656720	57	.9809119	90	.9956352
25	.9661417	58	.9813655	91	.9960737
26	.9666110	59	.9818186	92	.9965117
27	.9670797	60	.9822712	93	.9969492
28	.9675480	61	.9827234	94	.9973864
29	.9680157	62	.9831751	95	.9978231
30	.9684829	63	.9836263	96	.9982593
31	.9689497	64	.9840770	97	.9986952
32	.9694159	65	.9845273	98	.9391305
33	.9698816	66	.9849771	99	.9995655
34	.9703469	67	.9854265	1000	3.0000000

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1001	3.0004341	1034	3.0145205	1067	3.0281644
1002	3.0008677	1035	3.0149403	1068	3.0285712
1003	3.0013009	1036	3.0153598	1069	3.0289777
1004	3.0017337	1037	3.0157788	1070	3.0293838
1005	3.0021661	1038	3.0161974	1071	3.0297895
06	.0025980	39	.0166155	72	.0301948
07	.0030295	40	.0170333	73	.0305997
08	.0034605	41	.0174507	74	.0310043
09	.0038912	42	.0178677	75	.0314085
10	.0043214	43	.0182843	76	.0318123
11	.0047512	44	.0187005	77	.0322157
12	.0051805	45	.0191163	78	.0326188
13	.0056094	46	.0195317	79	.0330214
14	.0060380	47	.0199467	80	.0334238
15	.0064660	48	.0203613	81	.0338257
16	.0068937	49	.0207755	82	.0342273
17	.0073209	50	.0211893	83	.0346285
18	.0077478	51	.0216027	84	.0350293
19	.0081742	52	.0220157	85	.0354297
20	.0086002	53	.0224284	86	.0358298
21	.0090257	54	.0228406	87	.0362295
22	.0094509	55	.0232525	88	.0366289
23	.0098756	56	.0236639	89	.0370279
24	.0103000	57	.0240750	90	.0374265
25	.0107239	58	.0244857	91	.0378247
26	.0111474	59	.0248960	92	.0382226
27	.0115704	60	.0253059	93	.0386202
28	.0119931	61	.0257154	94	.0390173
29	.0124154	62	.0261245	95	.0394141
30	.0128372	63	.0265333	96	.0398106
31	.0132587	64	.0269416	97	.0402066
32	.0136797	65	.0273496	98	.0406023
33	3.0141003	66	.0277572	99	.0409977
34	.0145205	67	.0281644	1100	.0413927

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1101	3.0417873	1134	3.0546131	1167	3.0670709
1102	3.0421816	1135	3.0549959	1168	3.0674428
1103	3.0425755	1136	3.0553783	1169	3.0678145
1104	3.0429691	1137	3.0557605	1170	3.0681859
1105	3.0433623	1138	3.0561423	1171	3.0685569
06	.0437551	39	.0565237	72	.0689276
07	.0441476	40	.0569048	73	.0692980
08	.0445398	41	.0572856	74	.0696681
09	.0449315	42	.0576661	75	.0700379
10	.0453230	43	.0580462	76	.0704073
11	.0457141	44	.0584260	77	.0707765
12	.0461048	45	.0588055	78	.0711453
13	.0464952	46	.0591846	79	.0715138
14	.0468852	47	.0595634	80	.0718820
15	.0472749	48	.0599419	81	.0722499
16	.0476642	49	.0603200	82	.0726175
17	.0480532	50	.0606978	83	.0729847
18	.0484418	51	.0610752	84	.0733517
19	.0488301	52	.0614525	85	.0737183
20	.0492180	53	.0618293	86	.0740847
21	.0496056	54	.0622058	87	.0744507
22	.0499929	55	.0625820	88	.0748164
23	.0505378	56	.0629578	89	.0751818
24	.0507663	57	.0633334	90	.0755470
25	.0511525	58	.0637086	91	.0759118
26	.0515384	59	.0640834	92	.0762763
27	.0519239	60	.0644580	93	.0766404
28	.0523091	61	.0648322	94	.0770043
29	.0526939	62	.0652061	95	.0773679
30	.0530784	63	.0655797	96	.0777312
31	.0534626	64	.0659530	97	.0780942
32	.0538464	65	.0663259	98	.0784568
33	.0542299	66	.0666986	99	.0788192
34	.0546131	67	.0670709	1200	.0791812

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1201	3.0795430	1234	3.0913152	1267	3.1027766
1202	3.0799045	1235	3.0916670	1268	3.1031192
1203	3.0802656	1236	3.0920185	1269	3.1034616
1204	3.0806265	1237	3.0923697	1270	3.1038037
1205	3.0809870	1238	3.0927206	1271	3.1041456
06	.0813473	39	.0930713	72	.1044871
07	.0817073	40	.0934217	73	.1048284
08	.0820669	41	.0937718	74	.1051694
09	.0824263	42	.0941216	75	.1055102
10	.0827854	43	.0944711	76	.1058507
11	.0831441	44	.0948204	77	.1061909
12	.0835026	45	.0951693	78	.1065309
13	.0838608	46	.0955180	79	.1068705
14	.0842187	47	.0958664	80	.1072100
15	.0845763	48	.0962146	81	.1075491
16	.0849336	49	.0965624	82	.1078880
17	.0852906	50	.0969100	83	.1082266
18	.0856473	51	.0972573	84	.1085650
19	.0860037	52	.0976043	85	.1089031
20	.0863598	53	.0979511	86	.1092410
21	.0867157	54	.0982975	87	.1095785
22	.0870712	55	.0986437	88	.1099159
23	.0874264	56	.0989896	89	.1102529
24	.0877814	57	.0993353	90	.1105897
25	.0881361	58	.0996806	91	.1109262
26	.0884905	59	.1000257	92	.1112625
27	.0888446	60	.1003705	93	.1115985
28	.0891984	61	.1007151	94	.1119343
29	.0895519	62	.1010594	95	.1122698
30	.0899051	63	.1014033	96	.1126050
31	.0902580	64	.1017471	97	.1129400
32	.0906107	65	.1020905	98	.1132746
33	.0909631	66	.1024337	99	.1136091
34	.0913152	67	.1027766	1300	.1139433

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1301	3.1142773	1334	3.1251598	1367	3.1357685
1302	3.1146110	1335	3.1254813	1368	3.1360861
1303	3.1149444	1336	3.1258069	1369	3.1364034
1304	3.1152770	1337	3.1261314	1370	3.1367206
1305	3.1156105	1338	3.1264561	1371	3.1370375
06	.1159432	39	.1267806	72	.1373541
07	.1162756	140	.1271048	73	.1376705
08	.1166077	41	.1274288	74	.1379867
09	.1169396	42	.1277525	75	.1383027
01	.1172713	43	.1280760	76	.1386184
10	.1176027	44	.1283993	77	.1389334
12	.1179338	45	.1287223	78	.1392492
13	.1182647	46	.1290451	79	.1395643
14	.1185954	47	.1293676	80	.1398791
15	.1189257	48	.1296899	81	.1401937
16	.1192559	49	.1300119	82	.1405080
17	.1195858	50	.1303338	83	.1408222
18	.1199154	51	.1306553	84	.1411361
19	.1202448	52	.1309767	85	.1414498
20	.1205739	53	.1312978	86	.1417632
21	.1209023	54	.1316177	87	.1420765
22	.1212315	55	.1319393	88	.1423895
23	.1215598	56	.1322597	89	.1427022
24	.1218880	57	.1325798	90	.1430148
25	.1222159	58	.1328998	1291	.1433271
26	.1225435	59	.1332195	92	.1436392
27	.1228709	60	.1335389	93	.1439511
28	.1231981	61	.1338581	94	.1442628
29	.1235250	62	.1341771	95	.1445742
30	.1238516	63	.1344959	96	.1448854
31	.1241781	64	.1348144	97	.1451964
32	.1245042	65	.1351326	98	.1455972
33	.1248301	66	.1354507	99	.1458177
34	.1251558	67	.1357685	1400	.1461280

N.	Logarith.	N.	Logarith.	N.	Logarith.
1401	3.1464381	1434	3.1565491	1467	3.1664301
1402	3.1467480	1435	3.1568519	1468	3.1667261
1403	3.1470577	1436	3.1571544	1469	3.1670218
1404	3.1473674	1437	3.1574568	1470	3.1673173
1405	3.1476763	1438	3.1577589	1471	3.1676127
06	.1479853	39	.1580608	72	.1679078
07	.1482941	1440	.1583625	73	.1682027
08	.1486027	41	.1586640	74	.1684975
09	.1489110	42	.1589653	75	.1687920
10	.1492191	43	.1592663	76	.1690864
11	.1495270	44	.1595672	77	.1693805
12	.1498347	45	.1598678	78	.1696744
13	.1501422	46	.1601683	1479	.1699682
14	.1504494	47	.1604685	80	.1702617
15	.1507564	48	.1607686	81	.1705551
16	.1510633	49	.1610684	82	.1708482
17	.1513698	1450	.1613680	83	.1711412
18	.1516762	51	.1616674	84	.1714339
19	.1519824	52	.1619666	85	.1717265
20	.1522883	53	.1622656	86	.1720188
21	.1525941	54	.1625644	87	.1723110
22	.1528996	55	.1628630	88	.1726029
23	.1532049	56	.1631614	89	.1728947
24	.1535100	57	.1634596	90	.1731863
25	.1538149	58	.1637575	91	.1734776
26	.1541195	59	.1640553	92	.1737688
27	.1544240	60	.1643529	93	.1740598
28	.1547282	61	.1646502	94	.1743506
29	.1550322	62	.1649474	95	.1746412
30	.1553360	63	.1652443	96	.1749316
31	.1556396	64	.1655411	97	.1752218
32	.1559430	65	.1658376	98	.1755118
33	.1562462	66	.1661340	99	.1758016
34	.1565491	67	.1664301	1500	.1760913

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1501	3.1763807	1534	3.1858254	1567	3.1950690
1502	3.1766699	1535	3.1861084	1568	3.1953461
1503	3.1769590	1536	3.1863912	1569	3.1956229
1504	3.1772478	1537	3.1866739	1570	3.1958987
1505	3.1775365	1538	3.1869563	1571	3.1961762
06	.1778250	39	.1872386	72	.1964525
07	.1781133	40	.1875207	73	.1967287
08	.1784013	41	.1878026	74	.1970047
09	.1786892	42	.1880844	75	.1972806
10	.1789769	43	.1883659	76	.1975562
11	.1792645	44	.1886473	77	.1978317
12	.1795518	45	.1889285	78	.1981070
13	.1798389	1546	.1892095	79	.1983821
14	.1801259	47	.1894903	80	.1986571
15	.1804126	48	.1897710	81	.1989319
16	.1806992	49	.1900514	82	.1992065
17	.1809856	50	.1903317	83	.1994809
18	.1812718	51	.1906118	84	.1997552
19	.1815578	52	.1908917	85	.2000293
20	.1818436	53	.1911715	86	.2003032
21	.1821292	54	.1914510	87	.2005769
22	.1824146	55	.1917304	88	.2008505
23	.1826999	56	.1920096	89	.2011239
24	.1829850	57	.1922886	90	.2013971
25	.1832698	58	.1925674	91	.2016702
26	.1835545	59	.1928461	92	.2019431
27	.1838390	60	.1931246	93	.2022158
28	.1841234	61	.1934029	94	.2024883
29	.1844075	62	.1936810	95	.2027607
30	.1846914	63	.1939590	96	.2030329
31	.1849752	64	.1942367	97	.2033049
32	.1852588	65	.1945143	98	.2035768
33	.1855421	66	.1947918	99	.2038485
34	.1858254	67	.1950690	1600	.2041200

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1601	3.2043913	1634	3.2132521	1667	3.2219356
1602	3.2046625	1635	3.2135178	1668	3.2221960
1603	3.2049335	1636	3.2137833	1669	3.2224563
1604	3.2052044	1637	3.2140487	1670	3.2227165
1605	3.2054750	1638	3.2143139	1671	3.2229764
06	3.2057455	39	.2145790	72	.2232363
07	3.2060159	40	.2148438	73	.2234959
08	3.2062860	41	.2151086	74	.2237555
09	3.2065560	42	.2153732	75	.2240148
10	3.2068259	43	.2156376	76	.2242740
11	.2070955	44	.2159018	77	.2245331
12	.2073650	45	.2161659	78	.2247920
13	.2076344	46	.2164298	79	.2250507
14	.2079035	47	.2166936	80	.2253093
15	.2081725	48	.2169572	81	.2255677
16	.2084414	49	.2172207	82	.2258260
17	.2087100	50	.2174839	83	.2260841
18	.2089785	51	.2177471	84	.2263421
19	.2092468	52	.2180100	85	.2265999
20	.2095150	53	.2182729	86	.2168576
21	.2097830	54	.2185355	87	.2271151
22	.2100508	55	.2187980	88	.2273724
23	.2103185	56	.2190603	89	.2276296
24	.2105860	57	.2193225	90	.2278867
25	.2108534	58	.2195845	91	.2281436
26	.2111205	59	.2198464	92	.2284004
27	.2113876	60	.2201081	93	.2286570
28	.2116544	61	.2203696	94	.2289134
29	.2119211	62	.2206310	95	.2291697
30	.2121876	63	.2208922	96	.2294258
31	.2124540	64	.2211533	97	.2296818
32	.2127201	65	.2214142	98	.2299377
33	.2129862	66	.2216750	99	.2301934
34	.2132521	67	.2219356	1700	.2304489

N.	Logarith.	N.	Logarith.	N.	Logarith.
1701	3.2307043	1734	3.2390491	1767	3.2472365
1702	3.2309596	1735	3.2392995	1768	3.2474823
1703	3.2312146	1736	3.2395497	1769	3.2477278
1704	3.2314696	1737	3.2397998	1770	3.2479733
1705	3.2317244	1738	3.2400498	1771	3.2482186
06	.2319790	39	.2402996	72	.2484637
07	.2322335	40	.2405492	73	.2487087
08	.2324879	41	.2407988	74	.2489536
09	.2327421	42	.2410481	75	.2491984
10	.2329961	43	.2412974	76	.2494430
11	.2332500	44	.2415465	77	.2496874
12	.2335038	45	.2417954	78	.2499318
13	.2337574	46	.2420442	79	.2501759
14	.2340108	47	.2422929	80	.2504200
15	.2342641	48	.2425414	81	.2506639
16	.2345173	49	.2427898	82	.2509077
17	.2347703	50	.2430380	83	.2511513
18	.2350232	51	.2432861	84	.2513949
19	.2352759	52	.2435341	85	.2516382
20	.2355284	53	.2437819	86	.2518815
21	.2357809	54	.2440296	87	.2521246
22	.2360331	55	.2442771	88	.2523675
23	.2362853	56	.2445245	89	.2526103
24	.2365373	57	.2447718	90	.2528530
25	.2367891	58	.2450189	91	.2530956
26	.2370408	59	.2452658	92	.2533380
27	.2372923	60	.2455127	93	.2535803
28	.2375437	61	.2457594	94	.2538224
29	.2377950	62	.2460059	95	.2540645
30	.2380461	63	.2462523	96	.2543063
31	.2382971	64	.2464986	97	.2545481
32	.2385479	65	.2467447	98	.2547897
33	.2387986	66	.2469907	99	.2550312
34	.2390491	67	.2472365	1800	.2552725

N.	Logarith.	N.	Logarith.	N.	Logarith.
1801	3.2555137	1834	3.2633993	1867	3.2711443
1802	3.2557548	1835	3.2636361	1868	3.2713769
1803	3.2559957	1836	3.2638727	1869	3.2716093
1804	3.2562365	1837	3.2641092	1870	3.2718416
1805	3.2564772	1838	3.2643455	1871	3.2720738
00	3.2567177	39	.2645817	72	.2723058
07	3.2569582	40	.2648178	73	.2725378
08	3.2571984	41	.2650538	74	.2727696
09	3.2574380	42	.2052896	75	.2730013
10	3.2576786	43	.2655253	76	.2732328
11	.2579184	44	.2657609	77	.2734643
12	.2581582	45	.2659964	78	.2736956
13	.2583978	46	.2662317	79	.2739268
14	.2586373	47	.2664669	80	.2741578
15	.2588766	48	.2667020	81	.2743888
16	.2591158	49	.2669369	82	.2746196
17	.2593549	50	.2671717	83	.2748503
18	.2595939	51	.2674064	84	.2750809
19	.2598327	52	.2676410	85	.2753114
20	.2600714	53	.2678754	86	.2755417
21	.2603099	54	.2681097	87	.2757719
22	.2605484	55	.2683439	88	.2760020
23	.2607867	56	.2685780	89	.2762320
24	.2610248	1857	.2688119	90	.2764618
25	.2612629	58	.2690457	91	.2766915
26	.2615008	59	.2692794	92	.2769211
27	.2617385	60	.2695129	93	.2771506
28	.2619762	61	.2697464	94	.2773800
29	.2622137	62	.2699797	95	.2776092
30	.2624511	63	.2702129	96	.2778383
31	.2626883	64	.2704459	97	.2780673
32	.2629255	65	.2706788	98	.2782962
33	.2631625	66	.2709116	99	.2785250
34	.2633993	67	.2711443	1900	.2787536

N.	Logarith.	N.	Logarith.	N.	Logarith.
1901	3 2789821	1934	3.2864565	1967	3.2938044
1902	3.2792105	1935	3.2866810	1968	3.2940251
1903	.2794388	1936	3.2869054	1969	3.2942457
1904	3.2796669	1937	3.2871296	1970	3.2944662
1905	3.2798950	1938	3.2873538	1971	3.2946866
06	.2801229	39	.2875778	72	.2949069
07	.2803507	40	.2878017	73	.2951271
08	.2805784	41	.2880255	74	.2953471
09	2808059	42	.2882492	75	.2955671
10	.2810334	43	.2884728	76	.2957869
11	.2812607	44	.2886963	77	.2960067
12	.2814879	45	.2889196	78	.2962263
13	.2817150	46	.2891428	79	.2964458
14	.2819419	47	.2893659	80	.2966652
15	.2821688	48	.2895889	81	.2968845
16	.2823955	49	.2898118	82	.2971036
17	.2826221	50	.2900346	83	.2973227
18	.2828486	51	.2902573	84	.2975417
19	.2830750	52	.2904798	85	.2977605
20	.2833012	53	.2907022	86	.2979792
21	.2835274	54	.2909246	87	.2981979
22	.2837534	55	.2911468	88	.2984164
23	.2839793	56	.2913688	89	.2986348
24	2842051	57	.2915908	90	.2988531
25	.2844307	58	.2918127	91	.2990713
26	.2846563	59	.2920344	92	.2992893
27	.2848817	60	.2922561	93	.2995073
28	.2851070	61	.2924776	94	.2997252
29	.2853322	62	.2926990	95	.2999429
30	2855573	63	.2929203	96	.3001605
31	.2857823	64	.2931415	97	.3003781
32	.2860071	65	.2933626	98	.3005955
33	.2862319	66	.2935835	99	.3008128
34	.2864565	67	.2938044	2000	.3010300

N.	Logarith.	N.	Logarith.	N.	Logarith.
2001	3.3012471	2034	3.3083509	2067	3.3153405
2002	3.3014641	2035	3.3085644	2068	3.3155505
2003	3.3016809	036	3.3087778	2069	3.3157605
2004	3.3018977	2037	3.3089910	2070	3.3159703
2005	3.3021144	2038	3.3092042	2071	3.3161801
06	.3023309	39	.3094172	72	.3163897
07	.3025474	40	.3096302	73	.3165993
08	.3027637	41	.3098430	74	.3168088
09	.3029799	42	.3100557	75	.3170181
01	.3031961	43	.3102684	76	.3172273
11	.3034121	44	.3104809	77	.3174365
12	.3036280	45	.3106933	78	.3176455
13	.3038438	46	.3109056	79	.3178545
14	.3040595	47	.3111178	80	.3180633
15	.3042751	48	.3113299	81	.3182721
16	.3044905	49	.3115420	82	.3184807
17	.3047059	50	.3117539	83	.3186893
18	.3049212	51	.3119657	84	.3188977
19	.3051363	52	.3121774	85	.3191061
20	.3053514	53	.3123889	86	.3193143
21	.3055663	54	.3126004	87	.3195224
22	.3057812	55	.3128118	88	.3197305
23	.3059959	56	.3130231	89	.3199384
24	.3062105	57	.3132343	90	.3201463
25	.3064250	58	.3134454	91	.3203540
26	.3066394	59	.3136563	92	.3205617
27	.3068537	60	.3138672	93	.3207692
28	.3070679	61	.3140780	94	.3209767
29	.3072820	62	.3142887	95	.3211840
30	.3074960	63	.3144992	96	.3213913
31	.3077099	64	.3147097	97	.3215984
32	.3079237	65	.3149201	98	.3218055
33	.3081374	66	.3151303	99	.3220124
34	.3083509	67	.3153405	2100	.3222193

N.	Logarith.	N.	Logarith.	N.	Logarith.
2101	3.3224260	2134	3.3291944	2167	3.3358589
2102	3.3226327	2135	3.3293979	2168	3.3360593
2103	3.3228393	2136	3.3296012	2169	3.3362596
2104	3.3230457	2137	3.3298045	2170	3.3364597
2105	3.3232521	2138	3.3300077	2171	3.3366598
06	.3234584	39	.3302108	72	.3368598
07	.3236945	40	.3304138	73	.3370597
08	.3238706	41	.3306167	74	.3372595
09	.3240766	42	.3308195	75	.3374593
10	.3242825	43	.3310222	76	.3376589
11	.3244882	44	.3312248	77	.3378584
12	.3246939	45	.3314273	78	.3380579
13	.3248995	46	.3316297	79	.3382572
14	.3251050	47	.3318320	80	.3384565
15	.3253104	48	.3320343	81	.3386557
16	.3255157	49	.3322364	82	.3388547
17	.3257209	50	.3324385	83	.3390537
18	.3259260	51	.3326404	84	.3392526
19	.3261310	52	.3328423	85	.3394514
20	.3263359	53	.3330440	86	.3396502
21	.3265407	54	.3332457	87	.3398488
22	.3267454	55	.3334473	88	.3400473
23	.3269500	56	.3336488	89	.3402458
24	.3271545	57	.3338501	90	.3404441
25	.3273589	58	.3340514	91	.3406424
26	.3275633	59	.3342526	92	.3408405
27	.3277675	60	.3344538	93	.3410386
28	.3279716	61	.3346548	94	.3412366
29	.3281757	62	.3348557	95	.3414345
30	.3283796	63	.3350565	96	.3416323
31	.3285834	64	.3352573	97	.3418301
32	.3287872	65	.3354579	98	.3420277
33	.3289909	66	.3356585	99	.3422252
34	.3291944	67	.3358589	2200	.3424227

N.	Logarith.	N.	Logarith.	N.	Logarith.
2201	3.3426200	2234	3.3490832	2267	3.3554515
2202	3.3428173	2235	3.3492775	2268	3.3556430
2203	3.3430145	2236	3.3494718	2269	3.3558345
2204	3.3432116	2237	3.3496660	2270	3.3560259
2205	3.3434086	2238	3.3498601	2271	3.3562171
06	.3436055	39	.3500541	72	.3564083
07	.3438023	40	.3502480	73	.3565994
08	.3439991	41	.3504419	74	.356[illegible]905
09	.3441957	42	.3506356	75	.3569814
10	.3443923	43	.3508293	76	.3571723
11	.3445887	44	.3510228	77	.3573630
12	.3447851	45	.3512163	78	.3575537
13	.3449814	46	.3514098	79	.3577443
14	.3451776	47	.3516031	80	.3579348
15	.3453737	48	.3517963	2281	.3581253
11	.3455698	49	.3519895	82	.3583156
12	.3457657	50	.3521825	83	.3585059
13	.3459615	51	.3523755	84	.3586961
14	.3461573	52	.3525684	85	.3588862
20	.3463530	53	.3527612	86	.3590762
21	.3465486	54	.3529539	87	.3592662
22	.3467441	55	.3531465	88	.3594560
23	.3469395	56	.3533391	89	.3596458
24	.3471348	57	.3535316	90	.3598355
25	.3473300	58	.3537239	91	.3600251
26	.3475252	59	.3539162	92	.3602146
27	.3477202	60	.3541084	93	.3604041
28	.3479152	61	.3543006	94	.3605934
29	.3481101	62	.3544926	95	.3607827
30	.3483049	63	.3546846	96	.3609719
31	.3484996	64	.3548764	97	.3611610
32	.3486942	65	.3550682	98	.3613500
33	.3488887	66	.3552599	99	.361539[illegible]
34	.3490832	67	.3554515	2300	.3617278

N.	Logarith.	N.	Logarith.	N.	Logarith.
2301	3.3619166	2334	3.3681008	2367	3.3741983
2302	3.3621053	2335	3.3682869	2368	3.3743817
2303	3.3622939	2336	3.3684728	2369	3.3745651
2304	3.3624825	2337	3.3686587	2370	3.3747483
2305	3.3626709	2338	3.3688445	2371	3.3749316
06	.3628593	39	.3690302	72	.3751147
07	.3630476	40	.3692159	73	.3752977
08	.3632358	41	.3694014	74	.3754807
09	.3634239	42	.3695869	75	.3756636
10	.3636120	43	.3697723	76	.3758464
11	.3637999	44	.3699576	77	.3760292
12	.3639878	45	.3701428	78	.3762118
13	.3641756	46	.3703280	79	.3763944
14	.3643634	47	.3705131	80	.3765770
15	.3645510	48	.3706981	81	.3767594
16	.3647386	49	.3708830	82	.3769418
17	.3649260	50	.3710679	83	.3771240
18	.3651134	51	.3712526	84	.3773062
19	.3653007	52	.3714373	85	.3774884
20	.3654880	53	.3716219	86	.3776704
21	.3656751	54	.3718065	87	.3778524
22	.3658622	55	.3719909	88	.3780343
23	.3660492	56	.3721753	89	.3782161
24	.3662361	57	.3723596	90	.3783979
25	.3664230	58	.3725438	91	.3785796
26	.3666097	59	.3727279	92	.3787612
27	.3667964	2360	.3729120	93	.3789427
28	.3669830	61	.3730960	94	.3791241
29	.3671695	62	.3732799	95	.3793055
30	.3673559	63	.3734637	96	.3794868
31	.3675423	64	.3736475	97	.3796680
32	.3677285	65	.3738311	98	.3798492
33	.3679147	66	.3740147	99	.3800302
34	.3681008	67	.3741983	2400	.3802112

N.	Logarith.	N.	Logarith.	N.	Logarith.
2401	3.3803922	2434	3.3863206	2467	3.3921691
2402	3.3805720	2435	3.3864990	2468	3.3923452
2403	3.3807538	2436	3.3866773	2469	3.3925211
2404	3.3809345	2437	3.3868555	2470	3.3926970
2405	3.3811151	2438	3.3870337	2471	3.3928727
06	.3812956	39	.3872118	72	.3930485
07	.3814761	40	.3873898	73	.3932241
08	.3816565	41	.3875678	74	.3933997
09	.3818360	42	.3877457	75	.3935752
10	.3820170	43	.3879235	76	.3937506
11	.3821972	44	.3881012	77	.3939260
12	.3823773	45	.3882789	78	.3941013
13	.3825573	46	.3884565	79	.3942765
2414	.3827373	47	.3886340	80	.3944517
15	.3829171	48	.3888114	81	.3946268
16	.3830969	49	.3889888	82	.3948018
17	.3832767	50	.3891661	83	.3949767
18	.3834563	51	.3893433	84	.3951516
19	.3836359	52	.3895205	85	.3953264
20	.3838154	53	.3896975	86	.3955011
21	.3839948	54	.3898746	87	.3956758
22	.3841741	55	.3900515	88	.3958504
23	.3843534	56	.3902284	89	.3960249
24	.3845326	57	.3904052	90	.3961993
25	.3847117	58	.3905819	91	.3963737
26	.3848908	59	.3907585	92	.3965480
27	.3850698	60	.3909351	93	.3967223
28	.3852487	61	.3911116	94	.3968964
29	.3854275	62	.3912880	95	.3970706
30	.3856063	63	.3914644	96	.3972446
31	.3857850	64	.3916407	97	.3974185
32	.3859636	65	.3918169	98	.3975924
33	.3861421	66	.3919931	99	.3977663
34	.3863206	67	.3921691	2500	.3979400

N.	Logarith.	N.	Logarith.	N.	Logarith.
2501	3.3981137	2534	3.4038066	2567	3.4094259
2502	3.3982873	2535	3.4039780	2568	3.4095950
2503	3.3984608	2536	3.4041492	2569	3.4097641
2504	3.3986343	2537	3.4043205	2570	3.4099331
2505	3.3988077	2538	3.4044916	2571	3.4101021
06	.3989811	39	.4046627	72	.4102710
07	.3991543	40	.4048337	73	.4104398
08	.3993275	41	.4050047	74	.4106085
09	.3995007	42	.4051755	75	.4107772
10	.3996737	43	.4053464	76	.4109459
11	.3998467	44	.4055171	77	.4111144
12	.4000196	45	.4056878	78	.4112829
13	.4001925	46	.4058584	79	.4114513
14	.4003653	47	.4060289	80	.4116197
15	.4005380	48	.4061994	81	.4117880
16	.4007106	49	.4063698	2582	.4119562
17	.4008832	50	.4065402	83	.4121244
18	.4010557	51	.4067105	84	.4122925
19	.4012282	52	.4068807	85	.4124605
20	.4014005	53	.4070508	86	.4126285
21	.4015728	54	.4072209	87	.4127964
22	.4017451	55	.4073909	88	.4129643
23	.4019173	56	.4075608	89	.4131320
24	.4020893	57	.4077307	90	.4132998
25	.4022674	58	.4079005	91	.4134674
26	.4024333	59	.4080703	92	.4156350
27	.4026052	60	.4082400	93	.4138025
28	.4027771	61	.4084096	94	.4139700
29	.4029488	62	.4085791	95	.4141374
30	.4031205	63	.4087486	96	.4143047
31	.4032921	64	.4089180	97	.4144719
32	.4034637	65	.4090874	98	.4146391
33	.4036352	66	.4092567	99	.4148063
34	.4038066	67	.4094259	2600	.4149733

N.	Logarith.	N.	Logarith.	N.	Logarith.
2601	3.4151404	2634	3.4206158	2667	3.4260230
2602	3.4153073	2635	3.4207806	2668	3.4261858
2603	3.4154742	2636	3.4209454	2669	3.4263486
2604	3.4156410	2637	3.4211101	2670	3.4265113
2605	3.4158077	2638	3.4212748	2671	3.4266739
06	.4159744	39	.4214394	72	.4268365
07	.4161410	40	.4216039	73	.4269990
08	.4163076	41	.4217684	74	.4271614
09	.4164741	42	.4219328	75	.4273238
10	.4166405	43	.4220972	76	.4274861
11	.4168069	44	.4222614	77	.4276484
12	.4169732	45	.4224257	78	.4278106
13	.4171394	46	.4225898	79	.4279727
14	.4173056	47	.4227539	80	.4281348
15	.4174717	48	.4229180	81	.4282968
16	.4176377	49	.4230820	82	.4284588
17	.4178037	50	.4232459	83	.4286207
18	.4179696	51	.4234097	84	.4287825
19	.4181355	52	.4235735	85	.4289443
20	.4183013	53	.4237372	86	.4291060
21	.4184670	54	.4239009	87	.4292677
22	.4186327	55	.4240645	88	.4294293
23	.4187983	56	.4242281	89	.4295908
24	.4189638	57	.4243916	90	.4297523
25	.4191293	58	.4245550	91	.4299137
26	.4192947	59	.4247183	92	.4300751
27	.4194601	60	.4248816	93	.4302364
28	.4196254	61	.4250449	94	.4303976
29	.4197906	62	.4252080	95	.430558[illegible]
30	.4199557	63	.4253712	96	.4307199
31	.4201208	64	.4255342	97	.4308809
32	.4202859	65	.4256972	98	.4310419
33	.4204509	66	.4258601	99	.4312029
34	.4206158	67	.4260230	2700	.4313638

N.	Logarith.	N.	Logarith.	N.	Logarith.
2701	3.4315246	2734	3.4367985	2767	3.4420092
2702	3.4316853	2735	3.4369573	2768	3.4421661
2703	3.4318460	2736	3.4371161	2769	3.4423230
2704	3.4320067	2737	3.4372748	2770	3.4424798
2705	3.4321673	2738	3.4374334	2771	3.4426365
06	.4323278	39	.4375920	72	.4427932
07	.4324883	40	.4377506	73	.4429499
08	.4326487	41	.4379090	74	.4431065
09	.4328090	42	.4380675	75	.4432630
10	.4329693	43	.4382258	76	.4434195
11	.4331295	44	.4383841	77	.4435759
12	.4332897	45	.4385423	78	.4437322
13	.4334498	46	.4387005	79	.4438885
14	.4336098	2747	.4388587	80	.4440448
15	.4337698	48	.4390167	81	.4442010
16	.4339298	49	.4391747	82	.4443571
17	.4340896	50	.4393327	83	.4445132
18	.4342494	51	.4394906	84	.4446692
19	.4344092	52	.4396484	85	.4448252
20	.4345689	53	.4398062	86	.4449811
21	.4347285	54	.4399639	87	.4451370
22	.4348881	55	.4401216	88	.4452928
23	.4350476	56	.4402792	89	.4454485
24	.4352071	57	.4404368	90	.4456042
25	.4353665	58	.4405943	91	.4457598
26	.4355258	59	.4407517	92	.4459154
27	.4356851	60	.4409091	93	.4460709
28	.4358444	61	.4410664	94	.4462264
29	.4360035	62	.4412237	95	.4463818
30	.4361626	63	.4413809	96	.4465372
31	.4363217	64	.4415380	97	.4466925
32	.4364807	65	.4416951	98	.4468477
33	.4366396	66	.4418522	99	.4470029
34	.4367985	67	.4420092	2800	.4471580

N.	Logarith.	N.	Logarith.	N.	Logarith.
2801	3.4473131	2834	3.4523998	2867	3.4574277
2802	3.4474681	2835	3.4525531	2868	3.4575791
2803	3.4476231	2836	3.4527062	2869	3.4577305
2804	3.4477780	2837	3.4528593	2870	3.4578819
2805	3.4479329	2838	3.4530124	2871	3.4580332
06	.4480877	39	.4531654	72	.4581844
07	.4482424	40	.4533183	73	.4583356
08	.4483971	41	.4524712	74	.4584868
09	.4485517	42	.4536241	75	.4586378
19	.4487063	43	.4537769	76	.4587889
11	.4488608	44	.4539296	77	.4589399
12	4490153	45	.4540823	78	.4590908
13	.4491697	46	.4542349	79	.4592417
14	.4493241	47	.4543875	80	.4593925
15	.4494784	48	.4545400	81	.4595433
16	.4496326	49	.4546924	82	.4596940
17	.4497868	50	.4548449	83	.4598446
18	.4499410	51	.4549972	84	.4599953
19	.4500951	52	.4551495	85	.4601458
20	.4502491	53	.4553018	86	.4602963
21	.4504031	54	.4554540	87	.4604468
22	.4505570	55	.4556061	88	.4605972
23	.4507109	56	.4557582	89	.4607475
24	.4508647	57	.4559102	90	.4608978
25	.4510184	58	.4560622	91	.4610481
26	.4511722	59	.4562142	92	.4611983
27	.4513258	60	.4563660	93	.4613484
28	.4514794	61	.4565179	94	.4614985
29	.4516329	62	.4566696	95	.4616486
30	.4517864	63	.4568213	96	.4617986
31	.4519399	64	.4569730	97	.4619485
32	.4520932	65	.4571246	98	.4620984
33	.4522466	66	.4572762	99	.4622482
34	.4523998	67	.4574277	2900	.4623980

N.	Logarith.	N.	Logarith.	N.	Logarith.
2901	3.4025477	2934	3.4674601	2967	3.4723175
2902	3.4626974	2935	3.4676081	2968	3.4724639
2903	3.4628470	2936	3.4677560	2969	3.4726102
2904	3.4629966	2937	3.4679039	2970	3.4727564
2905	3.4631461	2938	3.4680518	2971	3.4729027
06	.4632956	39	.4681996	72	.4730488
07	.4634450	40	.4683473	73	.4731949
08	.4635944	41	.4684950	74	.4733410
09	.4637437	42	.4686427	75	.4734870
01	.4638930	43	.4687903	76	.4736329
11	.4040422	44	.4689378	77	.4737788
12	.4641914	45	.4690853	78	.4739247
13	.4643405	46	.4692327	79	.4740705
14	.4644895	47	.4693801	80	.4742163
15	.4646386	48	.4695275	81	.4743620
16	.4647875	49	.4696748	82	.4745076
17	.4649364	50	.4698220	83	.4746533
18	.4650853	51	.4699692	84	.4747988
19	.4652341	52	.4701163	85	.4749443
20	.4653828	53	.4702634	86	.4750898
21	.4655316	54	.4704105	87	.4752352
22	.4656802	55	.4705575	88	.4753806
23	.4658288	56	.4707044	89	.4755259
2924	.4659774	57	.4708513	90	.4756712
25	.4661259	58	.4709982	91	.4758164
26	.4662743	59	.4711450	92	.4759616
27	.4664227	60	.4712917	93	.4761067
28	.4665711	61	.4714384	94	.4762518
29	.4667194	62	.4715851	95	.4763968
30	.4668676	63	.4717317	96	.4765418
31	.4670158	64	.4718782	97	.4766867
32	.4671640	65	.4720247	98	.4768316
33	.4673121	66	.4721711	99	.4769765
34	.4674601	67	.4723175	3000	.4771213

N.	Logarith.	N.	Logarith.	N.	Logarith.
3001	3.4772660	3034	3.4820156	3067	3.4867138
3002	3.4774107	3035	3.4821587	3068	3.4868554
3003	3.4775553	3036	3.4823018	3069	3.4869969
3004	3.4776999	3037	3.4824448	3070	3.4871384
3005	3.4778445	3038	3.4825878	3071	3.4872798
06	.4779890	39	.4827307	72	.4874212
07	.4781334	40	.4828736	73	.4875626
08	.4782778	41	.4830164	74	.4877039
09	.4784222	42	.4831592	75	.4878451
19	.4785665	43	.4833019	76	.4879863
11	.4787108	44	.4834446	77	.4881275
12	.4788550	45	.4835873	78	.4882686
13	.4789991	46	.4837299	79	.4884097
14	.4791432	47	.4838725	80	.4885507
15	.4792873	48	.4840150	81	.4886917
16	.4794313	49	.4841574	82	.4888326
17	.4795753	50	.4842998	83	.4889735
18	.4797192	51	.4844422	84	.4891144
19	.4798631	52	.4845845	85	.4892552
20	.4800069	53	.4847268	86	.4893959
21	.4801507	54	.4848690	87	.4895366
22	.4802945	55	.4850112	88	.4896773
23	.4804381	56	.4851533	89	.4898179
24	.4805818	57	.4852954	90	.4899585
25	.4807254	58	.4854375	91	.4900990
26	.4808689	59	.4855795	92	.4902395
27	.4810124	60	.4857214	93	.4903799
28	.4811559	61	.4858633	94	.4905203
29	.4812993	62	.4860052	95	.4906607
30	.4814426	63	.4861470	96	.4908009
31	.4815859	64	.4862888	97	.4909412
32	.4817292	65	.4864305	98	.4910814
33	.4818724	66	.4865721	99	.4912216
34	.4820156	67	.4867138	3100	.4913617

N.	Logarith.	N.	Logarith.	N.	Logarith.
3101	3.4915018	3134	3.4960990	3167	3.5006481
3102	3.4916418	3135	3.4962375	3168	3.5007852
3103	3.4917818	3136	3.4963761	3169	3.5009222
3104	3.4919217	3137	3.4965145	3170	3.5010593
3105	.4920616	3138	3.4966529	3171	3.5011962
06	.4922014	39	.4967913	72	.5013332
07	.4923413	40	.4969296	73	.5014701
08	.4924810	41	.4970679	74	.5016069
09	.4926207	42	.4972062	75	.5017437
01	.4927604	43	.4973444	76	.5018805
11	.4929000	44	.4974825	77	.5020172
12	.4930396	45	.4976206	78	.5021539
13	.4931791	46	.4977587	79	.5022905
14	.4933186	47	.4978967	80	.5024271
15	.4934580	48	.4980347	81	.5025637
16	.4935974	49	.4981727	82	.5027002
17	.4937368	50	.4983106	83	.5028366
18	.4938761	51	.4984484	84	.5029731
19	.4940154	52	.4985862	85	.5031094
20	.49415[illegible]6	53	.4987240	86	.5032458
21	.4942938	54	.4988617	87	.5033821
22	.4944329	55	.4989994	88	.5035183
23	.4945720	56	.4991370	89	.5036545
24	.4947110	57	.4992746	90	.5037907
25	.4948500	58	.4994121	91	.5039268
26	.4949890	59	.4995496	92	.5040629
27	.4951279	60	.4996871	93	.5041989
28	.4952667	61	.4998245	94	.5043349
29	.4954056	62	.4999619	95	.5044709
30	.4955443	63	.5000992	96	.5046068
31	.4956831	64	.5002365	97	.5047426
32	.4958218	65	.5003737	98	.5048785
33	.4959604	66	.5005109	99	.5050142
34	.4960990	67	.5006481	3200	.5051500

N.	Logarith.	N.	Logarith.	N.	Logarith.
3201	3.5052857	3234	3.5097400	3267	3.5141491
3202	3.5054213	3235	3.5098743	3268	3.5142820
3203	3.5055569	3236	3.5100085	3269	3.5144149
3204	3.5056925	3237	3.5101427	3270	3.5145478
3205	3.5058280	3238	3.5102768	3271	3.5146805
00	3.5959635	39	.5104109	72	.5148133
07	3.5060990	40	.5105450	73	.5149460
08	3.5062344	41	.5106790	74	.5150787
09	3.5063697	42	.5108130	75	.5152113
10	3.5065050	43	.5109469	76	.5153439
11	.5066403	44	.5110808	3277	.5154764
12	.5067755	45	.5112147	78	.5156089
13	.5069107	46	.5113485	79	.5157414
14	.5070459	47	.5114823	80	.5158738
15	.5071810	48	.5116160	81	.5160062
16	.5073160	49	.5117497	82	.5161386
17	.5074511	50	.5118834	83	.5162709
18	.5075860	51	.5120170	84	.5164031
19	.5077210	52	.5121505	85	.5165354
20	.5078559	53	.5122841	86	.5166676
21	.5079907	54	.5124175	87	.5167997
22	.5081255	55	.5125510	88	.5169318
23	.5082603	56	.5126844	89	.5170639
24	.5083950	57	.5128178	90	.5171959
25	.5085297	58	.5129511	91	.5173279
26	.5086644	59	.5130844	92	.5174598
27	.5087990	60	.5132176	93	.5175917
28	.5089335	61	.5133508	94	.5177236
29	.5090680	3262	.5134840	95	.5178554
30	.5092025	63	.5136171	96	.5179872
31	.5093370	64	.5137501	97	.5181189
32	.5094713	65	.5138832	98	.5182506
33	.5096057	66	.5140162	99	.5183823
34	.5097400	67	.5141491	3300	.5185139

N.	Logarith.	N.	Logarith.	N.	Logarith.
3301	3.5186455	3334	3.5229656	3367	3.5272431
3302	3.5187771	3335	3.5230958	3368	3.5273721
3303	3.5189086	3336	3.5232260	3369	3.5275010
3304	3.5190400	3337	3.5233562	3370	3.5276299
3305	3.5191715	3338	3.5234863	3371	3.5277588
06	.5193028	39	.5236164	72	.5278876
07	.5194342	40	.5237465	73	.5280163
08	.5195655	41	.5238765	74	.5281451
09	.5196968	42	.5240064	75	.5282738
10	.5198280	43	.5241364	76	.5284024
11	.5199592	44	.5242663	77	.5285311
12	.5200903	45	.5243961	78	.5286596
13	.5202214	46	.5245259	79	.5287882
14	.5203525	47	.5246557	80	.5289167
15	.5204835	48	.5247854	81	.5290452
16	.5206145	49	.5249151	82	.5291736
17	.5207455	50	.5250448	83	.5293020
18	.5208764	51	.5251744	84	.5294304
19	.5210073	52	.5253040	85	.5295587
20	.5211381	53	.5254336	86	.5296870
21	.5212689	54	.5255631	87	.5298152
22	.5213996	55	.5256925	88	.5299434
23	.5215303	56	.5258219	89	.5300716
24	.5216610	57	.5259513	90	.5301997
25	.5217916	58	.5260807	91	.5303278
26	.5219222	59	.5262100	92	.5304558
27	.5220528	60	.5263393	93	.5305839
28	.5221833	61	.5264685	94	.5307118
29	.5223138	62	.5265977	95	.5308398
30	.5224442	63	.5267269	96	.5309677
31	.5225746	64	.5268560	97	.5310955
32	.5227050	65	.5269851	98	.5312234
33	.5228353	66	.5271141	99	.5313512
34	.5229656	67	.5272431	3400	.5314789

N.	Logarith.	N.	Logarith.	N.	Logarith.
3401	3.5316066	3434	3.5358003	3467	3.5399538
3402	3.5317343	3435	3.5359267	3468	3.5400791
3403	3.5318619	3436	3.5300532	3469	3.5402043
2404	3.5319895	3437	3.5361795	3470	3.5403295
3405	3.5321171	3438	3.5363059	3471	3.5404546
06	3.5322446	39	.5364322	72	.5405797
07	3.5323721	40	.5365584	73	.5407048
08	3.5324996	41	.5366847	74	.5408298
09	3.5326270	42	.5368109	75	.5409548
10	3.5327544	43	.5369370	76	.5410798
11	.5328817	44	.5370631	77	.5412047
12	.5330090	45	.5371892	78	.5413296
13	.5331363	46	.5373153	79	.5414544
14	.5332635	47	.5374413	80	.5415792
15	.5333907	48	.5375673	81	.5417040
16	.5335179	49	.5376932	82	.5418288
17	.5336450	50	.5378191	83	.5419535
18	.5337721	51	.5379450	84	.5420781
19	.5338991	52	.5380708	85	.5422028
20	.5340261	53	.5381966	86	.5423274
21	.5341531	54	.5383223	87	.5424519
22	.5342800	55	.5384481	88	.5425765
23	.5344069	56	.5385737	89	.5427010
24	.5345338	57	.5386994	90	.5428254
25	.5346606	58	.5388250	91	.5429498
26	.5347874	59	.5389506	92	.5430742
27	.5349141	60	.5390761	93	.5431986
28	.5350408	61	.5392016	94	.5433229
29	.5351675	62	.5393271	95	.5434472
30	.5352941	63	.5394525	96	.5435714
31	.5354207	64	.5395779	97	.5436956
32	.5355473	65	.5397032	98	.5438198
33	.5356738	66	.5398286	99	.5439439
34	.5358003	67	.5399539	3500	.5440680

N.	Logarith.	N.	Logarith.	N.	Logarith.
3501	3.5441921	3534	3.5482665	3567	3.5523031
3502	3.5443161	3535	3.5483894	3568	3.5524248
3503	3.5444401	3536	3.5485123	3569	3.5525465
3504	3.5445641	3537	3.5486351	3570	3.5526682
3505	3.5446880	3538	3.5487578	3571	3.5527898
06	.5448119	39	.5488806	72	.5529114
07	.5449358	40	.5490033	73	.5530330
08	.5450596	41	.5491259	74	.5531545
09	.5451834	42	.5492486	75	.5532760
10	.5453071	43	.5493712	76	.5533975
11	.5454308	44	.5494937	77	.5535189
12	.5455545	45	.5496162	78	.5536403
13	.5456781	46	.5497387	79	.5537617
14	.5458018	47	.5498612	80	.5538830
15	.5459253	48	.5499836	81	.5540043
16	.5460489	49	.5501060	82	.5541256
17	.5461724	50	.5502284	83	.5542468
18	.5462958	51	.5503507	84	.5543680
19	.5464193	52	.5504730	85	.5544892
20	.5465427	53	.5505952	86	.5546103
21	.5466660	54	.5507174	87	.5547314
22	.5467894	55	.5508396	88	.5548524
23	.5469126	56	.5509618	89	.5549735
24	.5470359	57	.5510839	90	.5550944
25	.5471591	58	.5512059	91	.5552154
26	.5472823	59	.5513280	92	.5553363
27	.5474055	60	.5514500	93	.5554572
28	.5475286	61	.5515720	94	.5555781
29	.4576517	62	.5516939	95	.5556989
30	.4577747	63	.5518158	96	.5558197
31	.4578977	64	.5519377	97	.5559404
32	.4580207	65	.5520595	98	.5560612
33	.4581436	66	.5521813	99	.5561818
34	.4582665	67	.5523031	3600	.5563025

N.	Logarith.	N.	Logarith.	N.	Logarith.
3601	3.5564231	3634	3.5603849	3667	3.5643109
3602	3.5565437	3635	3.5605044	3668	3.5644293
3603	3.5566643	3636	3.5606239	3669	3.5645477
3604	3.5567848	3637	3.5607433	3670	3.5646661
3605	3.5569053	3638	3.5608627	3671	3.5647844
06	.5570257	39	.5609821	72	.5649027
07	.5571461	40	.5611014	73	.5650209
08	.5572665	41	.5612207	74	.5651392
09	.5573869	42	.5613399	75	.5652573
10	.5575072	43	.5614592	76	.5653755
11	.5576275	44	.5615784	77	.5654936
12	.5577477	45	.5616975	78	.5656117
13	.5578680	46	.5618167	79	.5657298
14	.5579881	47	.5619358	80	.5658478
15	.5581083	48	.5620548	81	.5659658
11	.5582284	49	.5621739	82	.5660838
12	.5583485	50	.5622929	83	.5662017
13	.5584686	51	.5624118	84	.5663196
14	.5585886	52	.5625308	85	.5664375
20	.5587086	53	.5626497	86	.5665553
21	.5588285	54	.5627685	87	.5666731
22	.5589484	55	.5628874	88	.5657909
23	.5590683	56	.5630062	89	.5669087
24	.5591882	57	.5631250	90	.5670264
25	.5593080	58	.5632437	91	.5671440
26	.5594278	59	.5633624	92	.5672617
27	.5595476	60	.5634811	93	.5673793
28	.5596673	61	.5635997	94	.5674969
29	.5597870	62	.5637183	95	.5676144
30	.5599066	63	.563869	96	.5677320
31	.5600262	64	.5639555	97	.5678494
32	.5601458	65	.5640740	98	.5679669
33	.5602654	66	.5641925	99	.5680843
34	.5603849	67	.5643109	3700	.5682017

N.	Logarith.	N.	Logarith.	N.	Logarith.
3701	3.5683191	3734	3.5721743	3767	3.5759956
3702	3.5684364	3735	3.5722906	3768	3.5761109
3703	3.5685537	3736	3.5724069	3769	3.5762261
3704	3.5686710	3737	3.5725231	3770	3.5763413
3705	3.5687882	3738	3.5726393	3771	3.5764565
06	.5689054	39	.5727555	72	.5765717
07	.5690226	40	.5728716	73	.5766868
08	.5691397	41	.5729877	74	.5768019
09	.5692568	42	.5731038	75	.5769170
10	.5693739	43	.5732198	76	.5770320
11	.5694910	44	.5733358	77	.5771470
12	.5696080	45	.5734518	78	.5772620
13	.5697249	46	.5735678	79	.5773769
14	.5698419	47	.5736837	80	.5774918
15	.5699588	48	.5737996	81	.5776067
16	.5700757	49	.5739154	82	.5777215
17	.5701926	50	.5740313	83	.5778363
18	.5703094	51	.5741471	84	.5779511
19	.5704262	52	.5742628	85	.5780659
20	.5705429	53	.5743786	86	.5781806
21	.5706597	54	.5744943	87	.5782953
22	.5707764	55	.5746099	88	.5784100
23	.5708930	56	.5747256	89	.5785246
24	.5710097	57	.5748412	90	.5786392
25	.5711263	58	.5749568	91	.5787538
26	.5712428	59	.5750723	92	.5788683
27	.5713594	60	.5751878	93	.5789828
28	.5714759	61	.5753033	94	.5790973
29	.5715924	62	.5754188	95	.5792118
30	.5717088	63	.5755342	96	.5793262
31	.5718252	64	.5756496	97	.5794406
32	.5719416	65	.5757650	98	.5795550
33	.5720580	66	.5758803	99	.5796693
34	.5721743	67	.5759956	3800	.5797836

N.	Logarith.	N.	Logarith.	N.	Logarith.
3801	3.5798979	3834	3.5836521	3867	3.5873742
3802	3.5800121	3835	3.5837654	3868	3.5874865
3803	3.5801263	3836	3.5838786	3869	3.5875987
3804	3.5802405	3837	3.5839918	3870	3.5877110
3805	3.5803547	3838	3.5841050	3871	3.5878232
06	.5804688	39	.5842181	72	.5879353
07	.5805829	40	.5843312	73	.5880475
08	.5806969	41	.5844443	74	.5881596
09	.5808110	42	.5845574	75	.5882717
10	.5809250	43	.5846704	76	.5883838
11	.5810386	44	.5847834	77	.5884958
12	.5811529	45	.5848963	78	.5886078
13	.5812668	46	.5850093	79	.5887198
14	.5813807	47	.5851222	80	.5888317
15	.5814945	48	.5852351	81	.5889436
16	.5816084	49	.5853479	82	.5890555
17	.5817222	50	.5854607	83	.5891674
18	.5818359	51	.5855735	84	.5892792
19	.5819497	52	.5856863	85	.5893910
20	.5820634	53	.5857990	86	.5895028
21	.5821770	54	.5859117	87	.5896145
22	.5822907	55	.5860244	88	.5897263
23	.5824043	56	.5861370	89	.5898379
24	.5825179	57	.5862496	90	.5899496
25	.5826314	58	.5863622	91	.5900612
26	.5827450	59	.5864748	92	.5901728
27	.5828585	60	.5865873	93	.5902844
28	.5829719	61	.5866998	94	.5903959
29	.5830854	62	.5868123	95	.5905075
30	.5831988	63	.5869247	96	.5906189
31	.5833122	64	.5870371	97	.5907304
32	.5834255	65	.5871495	98	.5908418
33	.5835388	66	.5872618	99	.5909532
34	.5836521	67	.5873742	3900	.5910646

N.	Logarith.	N.	Logarith.	N.	Logarith.
3901	3.5911759	3934	3.5948344	3967	3.5984622
3902	3.5912873	3935	3.5949447	3968	3.5985717
3903	3.5913986	3936	3.5950551	3969	3.5986811
3904	3.5915098	3937	3.5951654	3970	3.5987905
3905	3.6916210	3938	3.5952757	3971	3.5988999
06	.5917322	39	.5953860	72	.5990092
07	.5918434	40	.5954962	73	.5991186
08	.5919546	41	.5956064	74	.5992279
09	.5920657	42	.5957166	75	.5993371
10	.5921768	43	.5958268	76	.5994464
11	.5922878	44	.5959369	77	.5995556
12	.5923988	45	.5960470	78	.5996648
13	.5925098	46	.5961571	79	.5997739
14	.5926208	47	.5962671	80	.5998831
15	.5927318	48	.5963771	81	.5999922
16	.5928427	49	.5964871	82	.6001013
17	.5929536	50	.5965971	83	.6002103
18	.5930644	51	.5967070	84	.6003193
19	.5931753	52	.5968169	85	.6004283
20	.5932861	53	.5969268	86	.6005373
21	.5933968	54	.5970367	87	.6006462
22	.5935076	55	.5971465	88	.6007551
23	.5936183	56	.5972563	89	.6008640
24	.5937290	57	.5973660	90	.6009729
25	.5938397	58	.5974758	91	.6010817
26	.5939703	59	.5975855	92	.6011905
27	.5940609	60	.5976952	93	.6012993
28	.5941715	61	5978048	94	.6014081
29	.5942820	62	.5979145	95	.6015168
30	.5943925	63	.5980241	96	.6016255
31	.5945030	64	.5981336	97	.6017341
32	.5946135	65	.5982432	98	.6018428
33	.5947239	66	.5983527	99	.6019514
34	.5948344	67	.5984622	4000	.6020600

N.	Logarith.	N.	Logarith.	N.	Logarith.
4001	3.6021685	4034	3.6057359	4067	3.6092742
4002	3.6022771	4035	3.6058435	4068	3.6093809
4003	3.6023856	4036	3.6059512	4069	3.6094877
4004	3.6024941	4037	3.6060587	4070	3.6095944
4005	3.6026025	4038	3.6061663	4071	3.6097011
06	.6027109	39	.6062739	72	.6098078
07	.6028193	40	.6063814	73	.6099144
08	.6029277	41	.6064888	74	.6100210
09	.6030361	42	.6065963	75	.6101276
19	.6031444	43	.6067037	76	.6102342
11	.6032527	44	.6068111	77	.6103407
12	.6033609	45	.6069185	78	.6104472
13	.6034692	46	.6070259	79	.6105537
14	.6035774	47	.6071332	80	.6106602
15	.6036855	48	.6072405	81	.6107666
16	.6037937	49	.6073478	82	.6108730
17	.6039018	50	.6074550	83	.6109794
18	.6040099	51	.6075622	84	.6110857
19	.6041180	52	.6076694	85	.6111921
20	.6042261	53	.6077766	86	.6112984
21	.6043341	54	.6078837	87	.6114046
22	.6044421	55	.6079909	88	.6115109
23	.6045500	56	.6080979	89	.6116171
24	.6046580	57	.6082050	90	.6117233
25	.6047659	58	.6083120	91	.6118295
26	.6048730	59	.6084190	92	.6119356
27	.6049816	60	.6085260	93	.6120417
28	.6050895	61	.6086330	94	.6121478
29	.6051973	62	.6087399	95	.6122539
30	.6053050	63	.6088468	96	.6123599
31	.6054128	64	.6089537	97	.6124660
32	.6955205	65	.6090605	98	.6125720
33	.6056282	66	.6091674	99	.6126779
34	.6057359	67	.6092742	4100	.6127839

N.	Logarith.	N.	Logarith.	N.	Logarith.
4101	3.6128898	4134	3.6163705	4167	3.6198235
4102	3.6129957	4135	3.6164755	4168	3.6199277
4103	3.6131015	4136	3.6165805	4169	3.6200319
4104	3.6132073	4137	3.6166855	4170	3.6201360
4105	3.6133132	4138	3.6167905	4171	3.6202402
06	.6134189	39	.6168954	72	.6203443
07	.6135247	40	.6170003	73	.6204484
08	.6136304	41	.6171052	74	.6205524
09	.6137361	42	.6172101	75	.6206565
10	.6138418	43	.6173149	76	.6207605
11	.6139475	44	.6174197	77	.6208645
12	.6140531	45	.6175245	78	.6209684
13	.6141587	46	.6176293	79	.6210724
14	.6142643	47	.6177340	80	.6211763
15	.6143698	48	.6178387	81	.6212802
16	.6144754	49	.6179434	82	.6213840
17	.6145809	50	.6180481	83	.6214879
18	.6146863	51	.6181527	84	.6215917
19	.6147918	52	.6182573	85	.6216955
20	.6148972	53	.6183619	86	.6217992
21	.6150026	54	.6184665	87	.6219030
22	.6151080	55	.6185710	88	.6220067
23	.6152133	56	.6186755	89	.6221104
24	.6153187	57	.6187800	90	.6222140
25	.6154240	58	.6188845	91	.6223177
26	.6155292	59	.6189889	92	.6224213
27	.6156345	60	.6190933	93	.6225249
28	.6157397	61	.6191977	94	.6226284
29	.6158449	62	.6193021	95	.6227320
30	.6159501	63	.6194064	96	.6228355
31	.6190552	64	.6195107	97	.6226390
32	.6161603	65	.6196150	98	.6230424
33	.6162654	66	.6197193	99	.6231459
34	.6163705	67	.6198235	4200	.6232493

N.	Logarith.	N.	Logarith.	N.	Logarith.
4201	3.6233527	4234	3.6267509	4267	3.6301226
4202	3.6234560	4235	3.6268534	4268	3.6302244
4203	3.6235594	4236	3.6269559	4269	3.6303262
4204	3.6236627	4237	3.6270585	4270	3.6304279
4205	3.6237660	4238	3.6271610	4271	3.6305296
06	.6238693	39	.6272634	72	.6306312
07	.6239725	40	.6273659	73	.6307329
08	.6240757	41	.6274683	74	.6308345
09	.6241789	42	.6275707	75	.6309361
10	.6242821	43	.6276730	76	.6310377
11	.6243852	44	.6277754	77	.6311392
12	.6244884	45	.6278777	78	.6312408
13	.6245915	46	.6279800	79	.6313423
14	.6246945	47	.6280823	80	.6314438
15	.6247976	48	.6281845	81	.6315452
16	.6249006	49	.6282867	82	.6316467
17	.6250036	50	.6283889	83	.6317481
18	.6251066	51	.6284911	84	.6318495
19	.6252095	52	.6285933	85	.6319508
20	.6253124	53	.6286954	86	.6320522
21	.6254153	54	.6287975	87	.6321535
22	.6255182	55	.6288996	88	.6322548
23	.6256211	56	.6260016	89	.6323560
24	.6257239	57	.6291036	90	.6324573
25	.6258267	58	.6292057	91	.6325585
26	.6259295	59	.6293076	92	.6326597
27	.6260322	60	.6294096	93	.6327609
28	.6261350	61	.6295115	94	.6328620
29	.6262377	62	.6296134	95	.6329632
30	.6263404	63	.6297153	96	.6330643
31	.6264430	64	.6298172	97	.6331654
32	.6265457	65	.6299190	98	.6332664
33	.6266483	66	.6300208	99	.6333674
34	.6267509	67	.6301226	4300	.6334685

N.	Logarith.	N.	Logarith.	N.	Logarith.
4301	3.6335694	4334	3.6368889	4367	3.6401832
4302	3.6336704	4335	3.6369891	4368	3.6402826
4303	3.6337713	4336	3.6370893	4369	3.6403820
4304	3.6338723	4337	3.6371894	4370	3.6404814
4305	3.6339732	4338	3.6372895	4371	3.6405808
06	.6340740	39	.6373896	72	.6406802
07	.6341749	40	.6374897	73	.6407795
08	.6342757	41	.6375898	74	.6408788
09	.6343765	42	.6376898	75	.6409781
01	.6344773	43	.6377898	76	.6410773
11	.6345780	44	.6378898	77	.6411765
12	.6346788	45	.6379898	78	.6412758
13	.6347795	46	.6380897	79	.6413749
14	.6348801	47	.6381896	80	.6414741
15	.6349808	48	.6382895	81	.6415733
16	.6350814	49	.6383894	82	.6416724
17	.6351820	50	.6384893	83	.6417715
18	.6352826	51	.6385891	84	.6418705
19	.6353832	52	.6386889	85	.6419696
20	.6354837	53	.6387887	86	.6420686
21	.6355843	54	.6388884	87	.6421676
22	.6356848	55	.6389882	88	.6422666
23	.6357852	56	.6390879	89	.6423656
24	.6358857	57	.6391876	90	.6424645
25	.6359861	58	.6392872	91	.6425634
26	.6360865	59	.6393869	92	.6426623
27	.6361869	60	.6394865	93	.6427612
28	.6362872	61	.6395861	94	.6428601
29	.6363876	62	.6396857	95	.6429589
30	.6364879	63	.6397852	96	.6430577
31	.6365882	64	.6398847	97	.6431565
32	.6366884	65	.6399842	98	.6432552
33	.6367887	66	.6400837	99	.6433540
34	.6368889	67	.6401832	4400	.6434527

4400

N.	Logarith.	N.	Logarith.	N.	Logarith.
4401	3.6435514	4434	3.6467957	4467	3.6500160
4402	3.6436500	4435	3.6468936	4468	3.6501132
4403	3.6437487	4436	3.6469915	4469	3.6502104
4404	3.6438473	4437	3.6470894	4470	3.6503075
4405	3.6439459	4438	3.6471873	4471	3.6504047
06	.6440445	39	.6472851	72	.6505018
07	.6441430	40	.6473830	73	.6505989
08	.6442416	41	.6474808	74	.6506960
09	.6443401	42	.6475785	75	.6507930
10	.6444386	43	.6476763	76	.6508901
11	.6445371	44	.6477740	77	.6509871
12	.6446355	45	.6478718	78	.6510841
13	.6447339	46	.6479695	79	.6511811
14	.6448323	47	.6480671	80	.6512780
15	.6449307	48	.6481648	81	.6513749
16	.6450291	49	.6482624	82	.6514719
17	.6451274	50	.6483600	83	.6515687
18	.6452257	51	.6484576	84	.6516656
19	.6453240	52	.6485552	85	.6517624
20	.6454223	53	.6486527	86	.6518593
21	.6455205	54	.6487502	87	.6519561
22	.6456187	55	.6488477	88	.6520528
23	.6457169	56	.6489452	89	.6521496
24	.6458151	57	.6490426	90	.6522463
25	.6459133	58	.6491401	91	.6523430
26	.6460114	59	.6492375	92	.6524397
27	.6461095	60	.6493349	93	.6525364
28	.6462076	61	.6494322	94	.6526331
29	.6463057	62	.6495296	95	.6527297
30	.6464037	63	.6496269	96	.6528263
31	.6465017	64	.6497242	97	.6529229
32	.6465997	65	.6498215	98	.6530195
33	.6466977	66	.6499187	99	.6531160
34	.6467957	67	.6500160	4500	.6532125

N	Logarith.	N.	Logarith.	N.	Logarith.
4501	3.6533090	4534	3.6564815	4567	3.6596310
4502	3.6534055	4535	3.6565773	4568	3.6597261
4503	3.6535019	4536	3.6566730	4569	3.6598212
4504	3.6535984	4537	3.6567688	4570	3.6599162
4505	3.6536948	4538	3.6568645	4571	3.6600112
06	.6537912	39	.6569602	72	.6601062
07	.6538876	40	.6570559	73	.6602012
08	.6539839	41	.6571515	74	.6602962
09	.6540802	42	.6572471	75	.6603911
01	.6541765	43	.6573427	76	.6604860
11	.6542728	44	.6574383	77	.6605809
12	.6543691	45	.6575339	78	.6606758
13	.6544653	46	.6576294	79	.6607706
14	.6545616	47	.6577250	80	.6608655
15	.6546578	48	.6578205	81	.6609603
16	.6547539	49	.6579159	82	.6610551
17	.6548501	50	.6580114	83	.6611499
18	.6549462	51	.6581068	84	.6612446
19	.6550423	52	.6582023	85	.6613393
20	.6551384	53	.6582976	86	.6614340
21	.6552345	54	.6583930	87	.6615287
22	.6553306	55	.6584884	88	.6616234
23	.6554266	56	.6585837	89	.6617181
24	.6555226	57	.6586790	90	.6618127
25	.6556186	58	.6587743	91	.6619073
26	.6557145	59	.6588696	92	.6620019
27	.6558105	60	.6589648	93	.6620964
28	.6559064	61	.6590601	94	.6621910
29	.6560023	62	.6591553	95	.6622855
30	.6560982	63	.6592505	96	.6623800
31	.6561941	64	.6593456	97	.6624745
32	.6562899	65	.6594408	98	.6625690
33	.6563857	66	.6595359	99	.6626634
34	.6564815	67	.6596310	4600	.6627578

N.	Logarith.	N.	Logarith.	N.	Logarith.
4601	3 6628522	4634	3.6659560	4667	3.6690378
4602	3.6629466	4635	3.6660497	4668	3.6691308
4603	3.6630410	4636	3.6661434	4669	3.6692239
4604	3.6631353	4637	3.6662371	4670	3.6693169
4605	3.6632296	4638	3.6663307	4671	3.6694099
06	.6633239	39	.6664244	72	.6695028
07	.6634182	40	.6665180	73	.6695958
08	.6635125	41	.6666116	74	.6696887
09	.6636067	42	.6667051	75	.6697816
19	.6637009	43	.6667987	76	.6698745
11	.6637951	44	.6668922	77	.6699674
12	.6638893	45	.6669857	78	.6700602
13	.6639835	46	.6670792	79	.6701530
14	.6640776	47	.6671727	80	.6702459
15	.6641717	48	.6672661	81	.6703386
16	.6642658	49	.6673595	82	.6704314
17	.6643599	50	.6674530	83	.6705242
18	.6644539	51	.6675463	84	.6706169
19	.6645480	52	.6676397	85	.6707096
20	.6646420	53	.6677331	86	.6708023
21	.6647360	54	.6678264	87	.670895
22	.6648299	55	.6679197	88	.6709876
23	.6649239	56	.6680130	89	.671080
24	.6650178	57	.6681062	90	.6711728
25	.6651117	58	.6681995	91	.671265
26	.6652056	59	.6682927	92	.671358
27	.6652995	60	.6683859	93	.671450
28	.6653933	61	.6684792	94	.671543
29	.6654872	62	.6685723	95	.671635
30	.6655810	63	.6686654	96	.671728
31	.6656748	64	.6687585	97	.671820
32	.6657685	65	.6688516	98	.671913
33	.6658623	66	.6689447	99	.672005
34	.6659560	67	.6690378	4700	.672097

N.	Logarith.	N.	Logarith.	N.	Logarith.
4701	3.6721903	4734	3.6752283	4767	3.6782452
4702	3.6722826	4735	3.6753200	4768	3.6783362
4703	3.6723750	4736	3.6754117	4769	3.6784273
4704	3.6724673	4737	3.6755034	4770	3.6785184
4705	3.6725596	4738	3.6755951	4771	3.6786094
06	.6726519	39	3.6756867	72	.6787004
07	.6727442	40	.6757783	73	.6787914
08	.6728365	41	.6758700	74	.6788824
09	.6729287	42	.6759615	75	.6789734
10	.6730209	43	.6760531	76	.6790643
11	.6731131	44	.6761447	77	.6791552
12	.6732053	45	.6762362	78	.6792461
13	.6732974	46	.6763277	79	.6793370
14	.6733896	47	.6764192	80	.6794279
15	.6734817	48	.6765107	81	.6795187
16	.6735738	49	.6766022	82	.6796096
17	.6736659	50	.6766936	83	.6797004
18	.6737579	51	.6767850	84	.6797912
19	.6738500	52	.6768764	85	.6798819
20	.6739420	53	.6769678	86	.6799727
21	.6740340	54	.6770592	87	.6800634
22	.6741260	55	.6771505	88	.6801541
23	.6742179	56	.6772418	89	.6802448
24	.6743099	57	.6773332	90	.6803355
25	.6744018	58	.6774244	91	.6804262
26	.6744937	59	.6775157	92	.6805168
27	.6745856	60	.6776069	93	.6806074
28	.6746775	61	.6776982	94	.6806980
29	.6747693	62	.6777894	95	.6807886
30	.6748611	63	.6778806	96	.6808792
31	.6749529	64	.6779718	97	.6809697
32	.6750447	65	.6780629	98	.6810602
33	.6751365	66	.6781540	99	.6811507
34	.6752283	67	.6782452	4800	.6812412

N.	Logarith.	N.	Logarith.	N.	Logarith.
4801	3.6813317	4834	3.6843066	4867	3.6872613
4802	3.6814222	4835	3.6843965	4868	3.6873506
4803	3.6815126	4836	3.6844863	4869	3.6874398
4804	3.6816030	4837	3.6845761	4870	3.6875290
4805	3.6816934	4838	3.6846659	4871	3.6876181
06	.6817838	39	.6847556	72	.6877073
07	.6818741	40	.6848454	73	.6877964
08	.6819645	41	.6849351	74	.6878855
09	.6820548	42	.6850248	75	.6879746
10	.6821451	43	.6851145	76	.6880637
11	.6822354	44	.6852041	77	.6881528
12	.6823256	45	.6852938	78	.6882418
13	.6824159	46	.6853834	79	.6883308
14	.6825061	47	.6854730	80	.6884198
15	.6825963	48	.6855626	81	.6885088
11	.6826865	49	.6856522	82	.6885978
12	.6827766	50	.6857417	83	.6886867
13	.6828668	51	.6858313	84	.6887756
14	.6829569	52	.6859208	85	.6888646
20	.6830470	53	.6860103	86	.6889535
21	.6831371	54	.6860998	87	.6890423
22	.6832272	55	.6861892	88	.6891312
23	.6833173	56	.6862787	89	.6892200
24	.6834073	57	.6863681	90	.6893089
25	.6834973	58	.6864575	91	.6893977
26	.6835873	59	.6865469	92	.6894864
27	.6836773	60	.6866363	93	.6895752
28	.6837673	61	.6867256	94	.6896640
29	.6838572	62	.6868149	95	.6897527
30	.6839471	63	.6869043	96	.6898414
31	.6840370	64	.6869936	97	.6899301
32	.6841269	65	.6870828	98	.6900188
33	.6842168	66	.6871721	99	.6901074
34	.6843066	67	.6872613	4900	.6901961

4900

N.	Logarith.	N.	Logarith.	N.	Logarith.
4901	3.6902847	4934	3.6931991	4967	3.6960942
4902	3.6903733	4935	3.6932872	4968	3.6961816
4903	3.6904619	4936	3.6933752	4969	3.6962690
4904	3.6905505	4937	3.6934631	4970	3.6963564
4905	3.6906390	4938	3.6935511	4971	3.6964438
06	.6907275	39	.6936390	72	.6965311
07	.6908161	40	.6937269	73	.6966185
08	.6909046	41	.6938149	74	.6967058
09	.6909930	42	.6939027	75	.6967931
10	.6910815	43	.6939906	76	.6968804
11	.6911699	44	.6940785	77	.6969676
12	.6912584	45	.6941663	78	.6970549
13	.6913468	46	.6942541	79	.6971421
14	.6914352	47	.6943419	80	.6972293
15	.6915235	48	.6944297	81	.6973165
16	.6916119	49	.6945175	82	.6974037
17	.6917002	50	.6949052	83	.6974909
18	.6917885	51	.6946929	84	.6975780
19	.6918768	52	.6947806	85	.6976652
20	.6919651	53	.6948683	86	.6977523
21	.6920534	54	.6949560	87	.6978394
22	.6921416	55	.6950437	88	.6979264
23	.6922298	56	.6951313	89	.6980135
24	.6923180	57	.6952189	90	.6981005
25	.6924062	58	.6953065	91	.6981876
26	.6924944	59	.6953941	92	.6982746
27	.6925826	60	.6954817	93	.6983616
28	.6926707	61	.6955692	94	.6984485
29	.6927588	62	.6956568	95	.6985355
30	.6928469	63	.6957443	96	.6986224
31	.6929350	64	.6958318	97	.6987093
32	.6930231	65	.6959193	98	.6987963
33	.6931111	66	.6960067	99	.6988831
34	.6931991	67	.6960942	5000	.6989700

N.	Logarith.	N.	Logarith.	N.	Logarith.
5001	3.6990569	5034	3.7019132	5067	3.7047509
5002	3.6991437	5035	3.7019995	5068	3.7048366
5003	3.6992305	5036	3.7020857	5069	3.7049223
5004	3.6993173	5037	3.7021719	5070	3.7050080
5005	3.6994041	5038	3.7022582	5071	3.7050936
06	3.6994908	39	.7023444	72	.7051792
07	3.6995776	40	.7024305	73	.7052649
08	3.6996643	41	.7025167	74	.7053505
09	3.6997510	42	.7026028	75	.7054360
10	3.6998377	5043	.7026890	76	.7055216
11	.6999244	44	.7027751	77	.7056072
12	.7000111	45	.7028612	78	.7056927
13	.7000977	46	.7029472	79	.7057782
14	.7001843	47	.7030333	80	.7058637
15	.7002709	48	.7031193	81	.7059492
16	.7003575	49	.7032054	82	.7060347
17	.7004441	50	.7032914	83	.7061201
18	.7005307	51	.7033774	84	.7062055
19	.7006172	52	.7034633	85	.7062910
20	.7007037	53	.7035493	86	.7063764
21	.7007902	54	.7036352	87	.7064617
22	.7008767	55	.7037212	88	.7065471
23	.7009632	56	.7038071	89	.7066324
24	.7010496	57	.7038929	90	.7067178
25	.7011361	58	.7039788	91	.7068031
26	.7012225	59	.7040647	92	.7068884
27	.7013089	60	.7041505	93	.7069737
28	.7013953	61	.7042363	94	.7070589
29	.7014816	62	.7043221	95	.7071442
30	.7015680	63	.7044079	96	.7072294
31	.7016543	64	.7044937	97	.7073146
32	.7017406	65	.7045794	98	.7073998
33	.7018269	66	.7046652	99	.7074850
34	.7019132	67	.7047509	5100	.7075702

N.	Logarith.	N.	Logarith.	N.	Logarith.
5101	3.7076553	5134	3.7104559	5167	3.7132385
5102	3.7077405	5135	3.7105404	5168	3.7133225
5103	3.7078256	5136	3.7106250	5169	3.7134065
5104	3.7079107	5137	3.7107096	5170	3.7134905
5105	3.7079957	5138	3.7107941	5171	3.7135745
06	.7080808	39	.7108786	72	.7136585
07	.7081659	40	.7109631	73	.7137425
08	.7082509	41	.7110476	74	.7138264
09	.7083359	42	.7111321	75	.7136104
10	.7084209	43	.7112165	76	.7139943
11	.7085059	44	.7113010	77	.7140782
12	.7085908	45	.7113854	78	.7141620
13	.7086758	46	.7114698	79	.7142459
14	.7087607	47	.7115542	80	.7143298
15	.7088456	48	.7116385	81	.7144136
16	.7089305	49	.7117229	82	.7144974
17	.7090154	50	.7118072	83	.7145812
18	.7091003	51	.7118915	84	.7146650
19	.7091851	52	.7119759	85	.7147488
20	.7092700	53	.7120601	86	.7148325
21	.7093548	54	.7121444	87	.7149162
22	.7094396	55	.7122287	88	.7150000
23	.7095244	56	.7123129	89	.7150837
24	.7096091	57	.7123971	90	.7151674
25	.7096939	58	.7124813	91	.7152510
26	.7097786	59	.7125655	92	.7153347
27	.7098633	60	.7126497	93	.7154183
28	.7099480	61	.7127339	94	.7155019
29	.7100327	62	.7128180	95	.7155856
30	.7101174	63	.7129021	96	.7156691
31	.7102020	64	.7129862	97	.7157527
32	.7102866	65	.7130703	98	.7158363
33	.7103713	66	.7131544	99	.7159198
34	.7104559	67	.7132385	5200	.7160033

N.	Logarith.	N.	Logarith.	N.	Logarith.
5201	3.7160869	5234	3.7188337	5267	3.7215633
5202	3.7161703	5235	3.7189167	5268	3.7216458
5203	3.7162538	5236	3.7189996	5269	3.7217282
5204	3.7163373	5237	3.7190826	5270	3.7218106
5205	3.7164207	5238	3.7191655	5271	3.7218930
06	3.7165042	39	.7192484	72	.7219754
07	3.7165876	40	.7193313	73	.7220578
08	3.7166710	41	.7194142	74	.7221401
09	3.7167544	42	.7194970	75	.7222225
10	3.7168377	43	.7195799	76	.7223048
11	.7169211	44	.7196627	77	.7223871
12	.7170044	45	.7197455	78	.7224694
13	.7170877	46	.7198283	79	.7225517
14	.7171710	47	.7199111	80	.7226339
15	.7172543	48	.7199938	81	.7227162
16	.7173376	49	.7200766	82	.7227984
17	.7174208	50	.7201593	83	.7228806
18	.7175041	51	.7202420	84	.7229628
19	.7175873	52	.7203247	85	.7230450
20	.7176705	53	.7204074	86	.7231272
21	.7177537	54	.7204901	87	.7232093
22	.7178369	55	.7205727	88	.7232914
23	.7179200	56	.7206554	89	.7233736
24	.7180032	57	.7207380	90	.7234557
25	.7180863	58	.7208206	91	.7235378
26	.7181694	59	.7209032	92	.7236198
27	.7182525	60	.7209857	93	.7237019
28	.7183356	61	.7210683	94	.7237839
29	.7184186	62	.7211508	95	.7238660
30	.7185017	63	.7212334	96	.7239480
31	.7185847	64	.7213159	97	.7240300
32	.7186677	65	.7213984	98	.7241120
33	.7187507	66	.7214809	99	.7241939
34	.7188337	67	.7215633	5300	.7242759

N.	Logarith.	N.	Logarith.	N.	Logarith.
5301	3.7243578	5334	3.7270530	5367	3.7297316
5302	3.7244397	5335	3.7271344	5368	3.7298125
5303	3.7245216	5336	3.7272158	5369	3.7298934
5304	3.7246035	5337	3.7272972	5370	3.7299743
5305	3.7246854	5338	3.7273786	5371	3.7300551
06	.7247672	39	.7274599	72	.7301360
07	.7248491	40	.7275413	73	.7302168
08	.7249309	41	.7276226	74	.7302977
09	.7250127	42	.7277039	75	.7303785
10	.7250945	43	.7277852	76	.7304593
11	.7251763	44	.7278664	77	.7305400
12	.7252581	45	.7279477	78	.7306208
13	.7253398	46	.7280290	79	.7307015
14	.7254215	47	.7281102	80	.7307823
15	.7255033	48	.7281914	81	.7308630
16	.7255850	49	.7282726	82	.7309437
17	.7256667	50	.7283538	83	.7310244
18	.7257483	51	.7284349	84	.7311051
19	.7258300	52	.7285161	85	.7311857
20	.7259116	53	.7285972	86	.7312663
21	.7259933	54	.7286784	87	.7313470
22	.7260749	55	.7287595	88	.7314276
23	.7261565	56	.7288406	89	.7315082
24	.7262380	57	.7289216	90	.7315888
25	.7263196	58	.7290027	91	.7316693
26	.7264012	59	.7290838	92	.7317499
27	.7264827	60	.7291648	93	.7318304
28	.7265642	61	.7292458	94	.7319109
29	.7266457	62	.7293268	95	.7319914
30	.7267272	63	.7294078	96	.7320719
31	.7268087	64	.7294888	97	.7321524
32	.7268901	65	.7295697	98	.7322329
33	.7269716	66	.7296507	99	.7323133
34	.7270530	67	.7297316	5400	.7323938

N.	Logarith.	N.	Logarith.	N.	Logarith.
5401	3.7324742	5434	3.7351196	5467	3.7377491
5402	3.7325546	5435	3.7351995	5468	3.7378285
5403	3.7326350	5436	3.7352794	5469	3.7379079
5404	3.7327153	5437	3.7353593	5470	3.7379873
5405	3.7327957	5438	3.7354392	5471	3.7380667
06	.7328760	39	.7355191	72	.7381461
07	.7329564	40	.7355989	73	.7382254
08	.7330367	41	.7356787	74	.7383048
09	.7331170	42	.7357585	75	.7383841
10	.7331973	43	.7358383	76	.7384634
11	.7332775	44	.7359181	77	.7385427
12	.7333578	45	.7359979	78	.7386220
13	.7334380	46	.7360776	79	.7387013
14	.7335182	47	.7361574	80	.7387806
15	.7335985	48	.7362371	81	.7388598
11	.7336787	49	.7363168	82	.7389390
12	.7337588	50	.7363965	83	.7390182
13	.7338390	51	.7364762	84	.7390974
14	.7339191	52	.7365558	85	.7391766
20	.7339993	53	.7366355	86	.7392558
21	.7340794	54	.7367151	87	.7393350
22	.7341595	55	.7367948	88	.7394141
23	.7342396	56	.7368744	89	.7394932
24	.7343197	57	.7369540	90	.7395723
25	.7343997	58	.7370335	91	.7396514
26	.7344798	59	.7371131	92	.7397305
27	.7345598	60	.7371926	93	.7398096
28	.7346398	61	.7372722	94	.7398887
29	.7347198	62	.7373517	95	.7399677
30	.7347998	63	.7374312	96	.7400467
31	.7348798	64	.7375107	97	.7401257
32	.7349598	65	.7375902	98	.7402047
33	.7350397	66	.7376696	99	.7402837
34	.7351196	67	.7377491	5500	.7403627

5500

N.	Logarith.	N.	Logarith.	N.	Logarith.
5501	3.7404416	5534	3.7430392	5567	3.7456212
5502	3.7405206	5535	3.7431176	5568	3.7456992
5503	3.7405995	5536	3.7431961	5569	3.7457772
5504	3.7406784	5537	3.7432745	5570	3.7458552
5505	3.7407573	5538	3.7433530	5571	3.7459332
06	.7408362	39	.7434314	72	.7460111
07	.7409151	40	.7435098	73	.7460890
08	.7409939	41	.7435881	74	.7461670
09	.7410728	42	.7436665	75	.7462449
10	.7411516	43	.7437449	76	.7463228
11	.7412304	44	.7438232	77	.7464006
12	.7413092	45	.7439015	78	.7464785
13	.7413880	46	.7439799	79	.7465564
14	.7414668	47	.7440582	80	.7466342
15	.7415455	48	.7441365	81	.7467120
16	.7416243	49	.7442147	82	.7467898
17	.7417030	50	.7442930	83	.7468676
18	.7417817	51	.7443712	84	.7469454
19	.7418604	52	.7444495	85	.7470232
20	.7419391	53	.7445277	86	.7471009
21	.7420177	54	.7446059	87	.7471787
22	.7420964	55	.7446841	88	.7472564
23	.7421750	56	.7447622	89	.7473341
24	.7422537	57	.7448404	90	.7474118
25	.7423323	58	.7449185	91	.7474895
26	.7424109	59	.7449967	92	.7475672
27	.7424895	60	.7450748	93	.7476448
28	.7425680	61	.7451529	94	.7477225
29	.7426466	62	.7452310	95	.7478001
30	.7427251	63	.7453091	96	.7478777
31	.7428037	64	.7453871	97	.7479553
32	.7428822	65	.7454652	98	.7480329
33	.7429607	66	.7455432	99	.7481105
34	.7430392	67	.7456212	5600	.7481880

N.	Logarith.	N.	Logarith.	N.	Logarith.
5601	3.7482656	5634	3.7508168	5667	3.7533532
5602	3.7483431	5635	3.7508939	5668	3.7534298
5603	3.7484206	5636	3.7509710	5669	3.7535065
5604	3.7484981	5637	3.7510480	5670	3.7535831
5605	3.7485756	5638	3.7511251	5671	3.7536596
06	.7486531	39	.7512021	72	.7537362
07	.7487306	40	.7512791	73	.7538128
08	.7488080	41	.7513561	74	.7538893
09	.7488854	42	.7514331	75	.7539659
19	.7489629	43	.7515100	76	.7540424
11	.7490403	44	.7515870	77	.7541189
12	.7491177	45	.7516639	78	.7541954
13	.7491950	46	.7517409	79	.7542719
14	.7492724	47	.7518178	80	.7543483
15	.7493498	48	.7518947	81	.7544248
16	.7494271	49	.7519716	82	.7545012
17	.7495044	50	.7520484	83	.7545777
18	.7495817	51	.7521253	84	.7546541
19	.7496590	52	.7522022	85	.7547305
20	.7497363	53	.7522790	86	.7548069
21	.7498136	54	.7523558	87	.7548832
22	.7498908	55	.7524326	88	.7549596
23	.7499681	56	.7525094	89	.7550359
24	.7500453	57	.7525862	90	.7551123
25	.7501225	58	.7526629	91	.7551886
26	.7501997	59	.7527397	92	.7552649
27	.7502769	60	.7528164	93	.7553412
28	.7503541	61	.7528932	94	.7554175
29	.7504312	62	.7529699	95	.7554937
30	.7505084	63	.7530466	96	.7555700
31	.7505855	64	.7531232	97	.7556462
32	.7506626	65	.7531999	98	.7557224
33	.7507398	66	.7532766	99	.7557987
34	.7508168	67	.7533532	5700	.7558748

N.	Logarith.	N.	Logarith.	N.	Logarith.
5701	3.7559510	5734	3.7584577	5767	3.7609500
5702	3.7560272	5735	3.7585334	5768	3.7610253
5703	3.7561034	5736	3.7586091	5769	3.7611005
5704	3.7561795	5737	3.7586848	5770	3.7611758
5705	3.7562556	5738	3.7587605	5771	3.7612511
06	.7563318	39	.7588362	72	.7613263
07	.7564079	40	.7589119	73	.7614016
08	.7564840	41	.7589875	74	.7614768
09	.7565600	42	.7590632	75	.7615520
01	.7566361	43	.7591388	76	.7616272
11	.7567122	44	.7592144	77	.7617024
12	.7567882	45	.7592900	78	.7617775
13	.7568642	46	.7593656	79	.7618527
14	.7569402	47	.7594412	80	.7619278
15	.7570162	48	.7595168	81	.7620030
16	.7570922	49	.7595923	82	.7620781
17	.7571682	50	.7596678	83	.7621532
18	.7572441	51	.7597434	84	.7622283
19	.7573201	52	.7598189	85	.7623034
20	.7573960	53	.7598944	86	.7623784
21	.7574719	54	.7599699	87	.7624535
22	.7575479	55	.7600453	88	.7625285
23	.7576237	56	.7601208	89	.7626035
24	.7576996	57	.7601962	90	.7626786
25	.7577755	58	.7602717	91	.7627536
26	.7578513	59	.7603471	92	.7628286
27	.7579272	60	.7604225	93	.7629035
28	.7580030	61	.7604979	94	.7629785
29	.7580788	62	.7605733	95	.7630534
30	.7581546	63	.7606486	96	.7631284
31	.7582304	64	.7607240	97	.7632033
32	.7583062	65	.7607993	98	.7632782
33	.7583819	66	.7608746	99	.7633531
34	.7584577	67	.7609500	5800	.7634280

N.	Logarith.	N.	Logarith.	N.	Logarith.
5801	3.7635029	5834	3.7659664	5867	3.7684161
5802	3.7635777	5835	3.7660409	5868	3.7684901
5803	3.7636526	5836	3.7661153	5869	3.7685641
5804	3.7637274	5837	3.7661897	5870	3.7686381
5805	3.7638022	5838	3.7662641	5871	3.7687121
06	.7638770	39	.7663385	72	.7687860
07	.7639518	40	.7664128	73	.6788600
08	.7640266	41	.7664872	74	.7689339
09	.7641014	42	.7665616	75	.7690079
19	.7641761	43	.7666359	76	.7690818
11	.7642509	44	.7667102	77	.7691557
12	.7643256	45	.7667845	78	.7692296
13	.7644003	46	.7668588	79	.7693035
14	.7644750	47	.7669331	80	.7693773
15	.7645497	48	.7670074	81	.7694512
16	.7646244	49	.7670816	82	.7695250
17	.7646991	50	.7671559	83	.7695988
18	.7647737	51	.7672301	84	.7696727
19	.7648484	52	.7673043	85	.7697465
20	.7649230	53	.7673785	86	.7698203
21	.7649976	54	.7674527	87	.7698940
22	.7650722	55	.7675269	88	.7699678
23	.7651468	56	.7676011	89	.7700416
24	.7652214	57	.7676752	90	.7701153
25	.7652959	58	.7677494	91	.7701890
26	.7653705	59	.7678235	92	.7702627
27	.7654450	60	.7678976	93	.7703364
28	.7655195	61	.7679717	94	.7704101
29	.7655941	62	.7680458	95	.7704838
30	.7656686	63	.7681199	96	.7705575
31	.7657430	64	.7681940	97	.7706311
32	.7658175	65	.7682680	98	.7707048
33	.7658920	66	.7683421	99	.7707784
34	.7659664	67	.7684161	5900	.7708520

N.	Logarith.	N.	Logarith.	N.	Logarith.
5901	3.7709256	5934	3.7733475	5967	3.7757560
5902	3.7709992	5935	3.7734207	5968	3.7758288
5903	3.7710728	5936	3.7734939	5969	3.7759016
5904	3.7711463	5937	3.7735670	5970	3.7759743
5905	3.7712199	5938	3.7736402	5971	3.7760471
06	.7712934	39	.7737133	72	.7761198
07	.7713670	40	.7737864	73	.7761925
08	.7714405	41	.7738596	74	.7762652
09	.7715140	42	.7739326	75	.7763379
01	.7715875	43	.7740057	76	.7764106
11	.7716610	44	.7740788	77	.7764833
12	.7717344	45	.7741519	78	.7765559
13	.7718079	46	.7742249	79	.7766286
14	.7718813	47	.7742979	80	.7767012
15	.7719547	48	.7743710	81	.7767738
16	.7720282	49	.7744440	82	.7768464
17	.7721016	50	.7745170	83	.7769190
18	.7721750	51	.7745899	84	.7769916
19	.7722483	52	.7746629	85	.7770642
20	.7723217	53	.7747359	86	.7771367
21	.7723951	54	.7748088	87	.7772093
22	.7724684	55	.7748818	88	.7772818
23	.7725417	56	.7749547	89	.7773543
24	.7726150	57	.7750276	90	.7774268
25	.7726884	58	.7751005	91	.7774993
26	.7727616	59	.7751734	92	.7775718
27	.7728349	60	.7752463	93	.7776443
28	.7729082	61	.7753195	94	.7777167
29	.7729814	62	.7753920	95	.7777892
30	.7730547	63	.7754648	96	.7778616
31	.7731279	64	.7755376	97	.7779340
32	.7732011	65	.7756104	98	.7780065
33	.7732743	66	.7756832	99	.7780789
34	.7733475	67	.7757560	6000	.7781512

6000

N.	Logarith.	N.	Logarith.	N.	Logarith.
6001	3.7782236	6034	3.7806053	6067	3.7829740
6002	3.7782960	6035	3.7806773	6068	3.7830456
6003	3.7783683	6036	3.7807492	6069	3.7831171
6004	3.7784407	6037	3.7808212	6070	3.7831887
6005	3.7785130	6038	3.7808931	6071	3.7832602
06	.7785853	39	.7809650	72	.7833318
07	.7786576	40	.7810369	73	.7834033
08	.7787299	41	.7811088	74	.7834748
09	.7788022	42	.7811807	75	.7835463
10	.7788745	43	.7812526	76	.7836178
11	.7789467	44	.7813245	77	.7836892
12	.7790190	45	.7813963	78	.7837607
13	.7790912	46	.7814681	79	.7838321
14	.7791634	47	.7815400	80	.7839036
15	.7792356	48	.7816118	81	.7839750
16	.7793078	49	.7816836	82	.7840464
17	.7793800	50	.7817554	83	.7841178
18	.7794522	51	.7818272	84	.7841892
19	.7795243	52	.7818989	85	.7842606
20	.7795965	53	.7819707	86	.7843319
21	.7796686	54	.7820424	87	.7844033
22	.7797408	55	.7821141	88	.7844746
23	.7798129	56	.7821859	89	.7845460
24	.7798850	57	.7822576	90	.7846173
25	.7799571	58	.7823293	91	.7846886
26	.7800291	59	.7824010	92	.7847599
27	.7801012	60	.7824726	93	.7848312
28	.7801732	61	.7825443	94	.7849024
29	.7802453	62	.7826159	95	.7849737
30	.7803173	63	.7826876	96	.7850450
31	.7803893	64	.7827592	97	.7851162
32	.7804613	65	.7828308	98	.7851874
33	.7805333	66	.7829024	99	.7852586
34	.7806053	67	.7829740	6100	.7853298

N.	Logarith.	N.	Logarith.	N.	Logarith.
6101	3.7854010	6134	3.7877438	6167	3.7900739
6102	3.7854722	6135	3.7878146	6168	3.7901444
6103	3.7855434	6136	3.7878853	6169	3.7902148
6104	3.7856145	6137	3.7879561	6170	3.7902852
6105	3.7856857	6138	3.7880269	6171	3.7903555
06	.7857568	39	.7880976	72	.7904259
07	.7858279	40	.7881684	73	.7904963
08	.7858990	41	.7882391	74	.7905666
09	.7859701	42	.7883098	75	.7906370
10	.7860412	43	.7883805	76	.7907073
11	.7861123	44	.7884512	77	.7907776
12	.7861833	45	.7885219	78	.7908479
13	.7862544	46	.7885926	79	.7909182
14	.7863254	47	.7886632	80	.7909885
15	.7863965	48	.7887339	81	.7910587
16	.7864675	49	.7888045	82	.7911290
17	.7865385	50	.7888751	83	.7911992
18	.7866095	51	.7889457	84	.7912695
19	.7866805	52	.7890163	85	.7913397
20	.7867514	53	.7890869	86	.7914099
21	.7868224	54	.7891575	87	.7914801
22	.7868933	55	.7892281	88	.7915503
23	.7869643	56	.7892986	89	.7916205
24	.7870352	57	.7893691	90	.7916906
25	.7871061	58	.7894397	91	.7917608
26	.7871770	59	.7895102	92	.7918309
27	.7872479	60	.7895807	93	.7919011
28	.7873188	61	.7896512	94	.7919712
29	.7873896	62	.7897217	95	.7920413
30	.7874605	63	.7897922	96	.7921114
31	.7875313	64	.7898626	97	.7921815
32	.7876021	65	.7899331	98	.7922516
33	.7876730	66	.7900035	99	.7923216
34	.7877438	67	.7900739	6200	.7923917

N.	Logarith.	N.	Logarith.	N.	Logarith.
6201	3.7924617	6234	3.7947668	6267	3.7979597
6202	3.7925318	6235	3.7948365	6268	3.7971290
6203	3.7926018	6236	3.7949061	6269	3.7971983
6204	3.7926718	6237	3.7949757	6270	3.7972675
6205	3.7927418	6238	3.7950454	6271	3.7973368
06	.7928118	39	.7951150	72	.7974060
07	.7928817	40	.7951846	73	.7974753
08	.7929517	41	.7952542	74	.7975445
09	.7930217	42	.7953238	75	.7976137
10	.7930916	43	.7953933	76	.7976829
11	.7931615	44	.7954629	77	.7977521
12	.7932314	45	.7955324	78	.7978213
13	.7933014	46	.7956020	79	.7978905
14	.7933712	47	.7956715	80	.7979596
15	.7934411	48	.7957410	81	.7980288
16	.7935110	49	.7958105	82	.7980979
17	.7935809	50	.7958890	83	.7981671
18	.7936507	51	.7959495	84	.7982362
19	.7937206	52	.7960190	85	.7983053
20	.7937904	53	.7960884	86	.7983744
21	.7938602	54	.7961579	87	.7984435
22	.7939300	55	.7962273	88	.7985125
23	.7939998	56	.7962967	89	.7985816
24	.7940696	57	.7963662	90	.7986506
25	.7941394	58	.7964356	91	.7987197
26	.7942091	59	.7965050	92	.7987887
27	.7942789	60	.7965743	93	.7988577
28	.7943486	61	.7966437	94	.7989267
29	.7944183	62	.7967131	95	.7989957
30	.7944880	63	.7967824	96	.7990647
31	.7945578	64	.7968517	97	.7991337
32	.7946274	65	.7969211	98	.7992027
33	.7946971	66	.7969904	99	.7992716
34	.7947668	67	.7979597	6300	.7993405

N.	Logarith.	N.	Logarith.	N.	Logarith.
6301	3.7994095	6334	3.8016781	6367	3.8039348
6302	3.7994784	6335	3.8017466	6368	3.8040031
6303	3.7995473	6336	3.8018152	6369	3.8040712
6304	3.7996162	6337	3.8018837	6370	3.8041394
6305	3.7996851	6338	3.8019522	6371	3.8042076
06	.7997549	39	.8020208	72	.8042758
07	.7998228	40	.8020893	73	.8043439
08	.7998917	41	.8021578	74	.8044121
09	.7999605	42	.8022262	75	.8044802
10	.8000294	43	.8022947	76	.8045483
11	.8000982	44	.8023632	77	.8046164
12	.8001670	45	.8024316	78	.8046845
13	.8002358	46	.8025001	79	.8047526
14	.8003046	47	.8025685	80	.8048207
15	.8003734	48	.8026369	81	.8048887
16	.8004421	49	.8027053	82	.8049568
17	.8005109	50	.8027737	83	.8050248
18	.8005796	51	.8028421	84	.8050929
19	.8006484	52	.8029105	85	.8051609
20	.8007171	53	.8029789	86	.8052289
21	.8007858	54	.8030472	87	.8052969
22	.8008545	55	.8031156	88	.8053649
23	.8009232	56	.8031839	89	.8054329
24	.8009919	57	.8032522	90	.8055009
25	.8010605	58	.8033205	91	.8055688
26	.8011292	59	.8033888	92	.8056368
27	.8011978	60	.8034571	93	.8057047
28	.8012665	61	.8035254	94	.8057726
29	.8013351	62	.8035937	95	.8058405
30	.8014037	63	.8036619	96	.8059085
31	.8014723	64	.8037302	97	.8059764
32	.8015409	65	.8037984	98	.8060442
33	.8016095	66	.8038666	99	.8061121
34	.8016781	67	.8039348	6400	.8061800

N.	Logarith.	N.	Logarith.	N.	Logarith.
6401	3.8062478	6434	3.8084811	6467	3.8107029
6402	3.8063157	6435	3.8085486	6468	3.8107700
6403	3.8063835	6436	3.8086160	6469	3.8108371
6404	3.8064513	6437	3.8086835	6470	3.8109043
6405	3.8065191	6438	3.8087510	6471	3.8109714
06	.8065869	39	.8088184	72	.8110385
07	.8066547	40	.8088859	73	.8111056
08	.8067225	41	.8089533	74	.8111727
09	.8067903	42	.8090207	75	.8112398
10	.8068580	43	.8090881	76	.8113068
11	.8069258	44	.8091555	77	.8113739
12	.8069935	45	.8092229	78	.8114409
13	.8070612	46	.8092903	79	.8115080
14	.8071290	47	.8093577	80	.8115750
15	.8071967	48	.8094250	81	.8116420
11	.8072644	49	.8094924	82	.8117090
12	.8073320	50	.8095597	83	.8117760
13	.8073997	51	.8096270	84	.8116430
14	.8074674	52	.8096944	85	.8119100
20	.8075350	53	.8097617	86	.8119769
21	.8076027	54	.8098290	87	.8120439
22	.8076703	55	.8098962	88	.8121108
23	.8077379	56	.8099635	89	.8121778
24	.8078055	57	.8100308	90	.8122447
25	.8078731	58	.8100980	91	.8123116
26	.8079407	59	.8101653	92	.8123785
27	.8080083	6460	.8102325	93	.8124454
28	.8080759	61	.8102997	94	.8125123
29	.8081434	62	.8103670	95	.8125792
30	.8082110	63	.8104342	96	.8126460
31	.8082785	64	.8105013	97	.8127129
32	.8083460	65	.8105685	98	.8127797
33	.8084136	66	.8106357	99	.8128465
34	.8084811	67	.8107029	6500	.8129134

N.	Logarith.	N.	Logarith.	N.	Logarith.
6501	3.8129802	6534	3.8151791	6567	3.8173670
6502	3.8130470	6535	3.8152456	6568	3.8174331
6503	3.8131138	6536	3.8153120	6569	3.8174993
6504	3.8131805	6537	3.8153785	6570	3.8175654
6505	3.8132473	6538	3.8154449	6571	3.8176315
06	.8133141	39	.8155113	72	.8176976
07	.8133808	40	.8155777	73	.8177636
08	.8134475	41	.8156441	74	.8178297
09	.8135143	42	.8157105	75	.8178958
10	.8135810	43	.8157769	76	.8179618
11	.8136477	44	.8158433	77	.8180278
12	.8137144	45	.8159096	78	.8180939
13	.8137811	46	.8159760	79	.8181599
14	.8138478	47	.8160423	80	.8182259
15	.8139144	48	.8161087	81	.8182919
16	.8139811	49	.8161750	82	.8183579
17	.8140477	50	.8162413	83	.8184239
18	.8141144	51	.8163076	84	.8184898
19	.8141810	52	.8163739	85	.8185558
20	.8142476	53	.8164402	86	.8186217
21	.8143142	54	.8165064	87	.8186877
22	.8143808	55	.8165727	88	.8187536
23	.8144474	56	.8166389	89	.8188195
24	.8145140	57	.8167052	90	.8188854
25	.8145805	58	.8167714	91	.8189513
26	.8146471	59	.8168376	92	.8190172
27	.8147136	60	.8169038	93	.8190831
28	.8147801	61	.8169700	94	.8191489
29	.8148467	62	.8170362	95	.8192148
30	.8149132	63	.8171024	96	.8192806
31	.8149797	64	.8171686	97	.8193465
32	.8150462	65	.8172347	98	.8194123
33	.8151127	66	.8173009	99	.8194781
34	.8151791	67	.8173670	6600	.8195439

N.	Logarith.	N.	Logarith.	N.	Logarith.
6601	3.8196097	6634	3.8217755	6667	3.8239305
6602	3.8196755	6635	3.8218409	6668	3.8239956
6603	3.8197413	6636	3.8219064	6669	3.8240607
6604	3.8198071	6637	3.8219718	6670	3.8241258
6605	3.8198728	6638	3.8220372	6671	3.8241909
06	.8199386	39	.8221027	72	.8242560
07	.8200043	40	.8221681	73	.8243211
08	.8200700	41	.8222335	74	.8243862
09	.8201358	42	.8222989	75	.8244513
10	.8202015	43	.8223643	76	.8245163
11	.8202672	44	.8224296	77	.8245814
12	.8203328	45	.8224959	78	.8246464
13	.8203985	46	.8225603	79	.8247114
14	.8204642	47	.8226257	80	.8247765
15	.8205298	48	.8226919	81	.8248415
11	.8205955	49	.8227563	82	.8249065
12	.8206611	50	.8228216	83	.8249715
13	.8207268	51	.8228869	84	.8250364
14	.8207924	52	.8229522	85	.8251014
20	.8208580	53	.8230175	86	.8251664
21	.8209236	54	.8230828	87	.8252313
22	.8209892	55	.8231481	88	.8252963
23	.8210548	56	.8232133	89	.8253612
24	.8211203	57	.8232786	90	.8254261
25	.8211859	58	.8233438	91	.8254910
26	.8212514	59	.8234090	92	.8255559
27	.8213170	60	.8234742	93	.8256208
28	.8213825	61	.8235394	94	.8256857
29	.8214480	62	.8236046	95	.8257506
30	.8215135	63	.8236698	96	.8258154
31	.8215790	64	.8237350	97	.8258803
32	.8216445	65	.8238002	98	.8259451
33	.8217100	66	.8238653	99	.8260100
34	.8217755	67	.8239305	6700	.8260748

N.	Logarith.	N.	Logarith.	N.	Logarith.
6701	3.8261396	6734	3.8282731	6767	3.8303962
6702	3.8262044	6735	3.8283376	6768	3.8304603
6703	3.8262692	6736	3.8284021	6769	3.8305245
6704	3.8263340	6737	3.8284665	6770	3.8305887
6705	3.8263988	6738	3.8285310	6771	3.8306528
06	.8264635	39	.8285955	72	.8307169
07	.8265283	40	.8286599	73	.8307811
08	.8265931	41	.8287243	74	.8308452
09	.8266578	42	.8287887	75	.8309093
10	.8297225	43	.8288532	76	.8309734
11	.8267872	44	.8289176	77	.8310375
12	.8268519	45	.8289820	78	.8311016
13	.8269166	46	.8290463	79	.8311656
14	.8269813	47	.8291107	80	.8312297
15	.8270460	48	.8291751	81	.8312937
10	.8271107	49	.8292394	82	.8313578
17	.8271753	50	.8293038	83	.8314218
18	.8272400	51	.8293681	84	.8314858
19	.8273046	52	.8294324	85	.8315499
20	.8273693	53	.8294967	86	.8316139
21	.8274339	54	.8295611	87	.8316778
22	.8274985	55	.8296254	88	.8317418
23	.8275631	56	.8296896	89	.8318058
24	.8276277	57	.8297539	90	.8318698
25	.8276923	58	.8298182	91	.8319337
26	.8277569	59	.8298824	92	.8319977
27	.8278214	60	.8299467	93	.8320616
28	.8278860	61	.8300109	94	.8321255
29	.8279505	62	.8300752	95	.8321895
30	.8280151	63	.8301394	96	.8322534
31	.8280796	64	.8302036	97	.8323173
32	.8281441	65	.8302678	98	.8323812
33	.8282086	66	.8303320	99	.8324450
34	.8282731	67	.8303962	6800	.8325089

6800

N.	Logarith.	N.	Logarith.	N.	Logarith.
6801	3.8325728	6834	3.8346750	6867	3.8367670
6802	3.8326366	6835	3.8347385	6868	3.8368303
6803	3.8327005	6836	3.8348021	6869	3.8368935
6804	3.8327643	6837	3.8348656	6870	3.8369567
6805	3.8328281	6838	3.8349291	6871	3.8370199
06	3.8328919	39	.8349926	72	.8370832
07	3.8329558	40	.8350561	73	.8371463
08	3.8330195	41	.8351196	74	.8372095
09	3.8330833	42	.8351831	75	.8372727
10	3.8331471	43	.8352465	76	.8373359
11	.8332109	44	.8353100	77	.8373990
12	.8332746	45	.8353735	78	.8374622
13	.8333384	46	.8354369	79	.8375253
14	.8334021	47	.8355003	80	.8375884
15	.8334659	48	.8355638	81	.8376516
16	.8335296	49	.8356272	82	.8377147
17	.8335933	50	.8356906	83	.8377778
18	.8336570	51	.8357540	84	.8378409
19	.8337207	52	.8358174	85	.8379039
20	.8337844	53	.8358807	86	.8379670
21	.8338480	54	.8359441	87	.8380301
22	.8339117	55	.8360075	88	.8380931
23	.8339754	56	.8360708	89	.8381562
24	.8340390	57	.8361341	90	.8382192
25	.8341027	58	.8361975	91	.8382822
26	.8341663	59	.8362608	92	.8383453
27	.8342299	60	.8363241	93	.8384083
28	.8342935	61	.8363874	94	.8384713
29	.8343571	62	.8364507	95	.8385343
30	.8344207	63	.8365140	96	.8385973
31	.8344843	64	.8365773	97	.8386602
32	.8345479	65	.8366405	98	.8387232
33	.8346114	66	.8367038	99	.8387861
34	.8346750	67	.8367670	6900	.8388491

N.	Logarith.	N.	Logarith.	N.	Logarith.
6901	3.8389120	6934	3.8409838	6967	3.8430458
6902	3.8389750	6935	3.8410465	6968	3.8431081
6903	3.8390379	6936	3.8411091	6969	3.8431705
6904	3.8391008	6937	3.8411717	6970	3.8432328
6905	3.8391637	6938	3.8412343	6971	3.8432951
06	.8392266	39	.8412969	72	.8433574
07	.8392895	40	.8413595	73	.8434197
08	.8393523	41	.8414220	74	.8434819
09	.8394152	42	.8414846	75	.8435442
10	.8394780	43	.8415472	76	.8436065
11	.8395409	44	.8416097	77	.8436687
12	.8396037	45	.8416722	78	.8437310
13	.8396666	46	.8417348	79	.8437932
14	.8397294	47	.8417973	80	.8438554
15	.8397922	48	.8418598	81	.8439176
16	.8398550	49	.8419223	82	.8439798
17	.8399178	50	.8419848	83	.8440420
18	.8399806	51	.8420473	84	.8441042
19	.8400433	52	.8421098	85	.8441664
20	.8401061	53	.8421722	86	.8442286
21	.8401688	54	.8422347	87	.8442907
22	.8402316	55	.8422971	88	.8443529
23	.8402943	56	.8423596	89	.8444150
24	.8403571	57	.8424220	90	.8444772
25	.8404198	58	.8424844	91	.8445393
26	.8404825	59	.8425468	92	.8446014
27	.8405452	60	.8426092	93	.8446635
28	.8406079	61	.8426716	94	.8447256
29	.8406706	62	.8427340	95	.8447877
30	.8407332	63	.8427964	96	.8448498
31	.8407959	64	.8428588	97	.8449119
32	.8408586	65	.8429212	98	.8449739
33	.8409212	66	.8429835	99	.8450360
34	.8409838	67	.8430458	7000	.8450980

N.	Logarith.	N.	Logarith.	N.	Logarith.
7001	3.8451601	7034	3.8472024	7067	3.8492351
7002	3.8452221	7035	3.8472641	7068	3.8492965
7003	3.8452841	7036	3.8473258	7069	3.8493580
7004	3.8453461	7037	3.8473876	7070	3.8494194
7005	3.8454081	7038	3.8474493	7071	3.8494808
06	3.8454701	39	.8475110	72	.8495423
07	3.8455321	40	.8475727	73	.8496037
08	3.8455941	41	.8476343	74	.8496651
09	3.8456561	42	.8476960	75	.8497264
10	3.8457180	43	.8477577	76	.8497878
11	.8457800	44	.8478193	77	.8498492
12	.8458419	45	.8478810	78	.8499106
13	.8459038	46	.8479426	79	.8499719
14	.8459658	47	.8480043	80	.8500333
15	.8460277	48	.8480659	81	.8500946
16	.8460896	49	.8481275	82	.8501559
17	.8461515	50	.8481891	83	.8502172
18	.8462134	51	.8482507	84	.8502786
19	.8462752	52	.8483123	85	.8503399
20	.8463371	53	.8483739	86	.8504011
21	.8463990	54	.8484355	87	.8504624
22	.8464608	55	.8484970	88	.8505237
23	.8465227	56	.8485586	89	.8505850
24	.8465845	57	.8486201	90	.8506462
25	.8466463	58	.8486817	91	.8507075
26	.8467081	59	.8487432	92	.8507687
27	.8467700	60	.8488047	93	.8508300
28	.8468318	61	.8488662	94	.8508912
29	.8468935	62	.8489277	95	.8509524
30	.8469553	63	.8489892	96	.8510136
31	.8470171	64	.8490507	97	.8510748
32	.8470789	65	.8491122	98	.8511360
33	.8471406	66	.8491736	99	.8511972
34	.8472024	67	.8492351	7100	.8512583

N.	Logarith.	N.	Logarith.	N.	Logarith.
7101	3.8513195	7134	3.8533331	7167	3.8553374
7102	3.8513807	7135	3.8533940	7168	3.8553980
7103	3.8514418	7136	3.8534548	7169	3.8554586
7104	3.8515030	7137	3.8535157	7170	3.8555192
7105	3.8515641	7138	3.8535765	7171	3.8555797
06	.8516252	39	.8536374	72	.8556403
07	.8516863	40	.8536982	73	.8557008
08	.8517474	41	.8537590	74	.8557614
09	.8518085	42	.8538198	75	.8558219
10	.8518696	43	.8538806	76	.8558824
11	.8519307	44	.8539414	77	.8559429
12	.8519917	45	.8540022	78	.8560035
13	.8520528	46	.8540630	79	.8560640
14	.8521139	47	.8541238	80	.8561244
15	.8521749	48	.8541845	81	.8561849
16	.8522359	49	.8542453	82	.8562454
17	.8522970	50	.8543060	83	.8563059
18	.8523580	51	.8543668	84	.8563663
19	.8524190	52	.8544275	85	.8564268
20	.8524800	53	.8544882	86	.8564872
21	.8525410	54	.8545489	87	.8565476
22	.8526020	55	.8546096	88	.8566081
23	.8526629	56	.8546703	89	.8566685
24	.8527239	57	.8547310	90	.8567289
25	.8527849	58	.8547917	91	.8567893
26	.8528458	59	.8548524	92	.8568497
27	.8529068	60	.8549130	93	.8569101
28	.8529677	61	.8549737	94	.8569704
29	.8530286	62	.8550343	95	.8570308
30	.8530895	63	.8550949	96	.8570912
31	.8531504	64	.8551556	97	.8571515
32	.8532113	65	.8552162	98	.8572118
33	.8532722	66	.8552768	99	.8572722
34	.8533331	67	.8553374	7200	.8573325

N.	Logarith.	N.	Logarith.	N.	Logarith.
7201	3.8573928	7234	3.8593785	7267	3.8613552
7202	3.8574531	7235	3.8594385	7268	3.8614149
7203	3.8575134	7236	3.8594986	7269	3.8614747
7204	3.8575737	7237	3.8595586	7270	3.8615344
7205	3.8576340	7238	3.8596186	7271	3.8615941
06	.8576943	39	.8596786	72	.8616539
07	.8577545	40	.8597386	73	.8617136
08	.8578148	41	.8597985	74	.8617733
09	.8578750	42	.8598585	75	.8618330
19	.8579353	43	.8599185	76	.8618927
11	.8579955	44	.8599784	77	.8619524
12	.8580557	45	.8600384	78	.8620120
13	.8581159	46	.8600983	79	.8620717
14	.8581761	47	.8601583	80	.8621314
15	.8582363	48	.8602182	81	.8621910
16	.8582965	49	.8602781	82	.8622507
17	.8583567	50	.8603380	83	.8623103
18	.8584169	51	.8603979	84	.8623699
19	.8584770	52	.8604578	85	.8624296
20	.8585372	53	.8605177	86	.8624892
21	.8585973	54	.8605776	87	.8625488
22	.8586575	55	.8606374	88	.8626084
23	.8587176	56	.8606973	89	.8626679
24	.8587777	57	.8607571	90	.8627275
25	.8588379	58	.8608170	91	.8627871
26	.8588980	59	.8608768	92	.8628467
27	.8589581	60	.8609366	93	.8629062
28	.8590181	61	.8609964	94	.8629658
29	.8590782	62	.8610562	95	.8630253
30	.8591383	63	.8611160	96	.8630848
31	.8591984	64	.8611758	97	.8631443
32	.8592584	65	.8612356	98	.8632039
33	.8593185	66	.8612954	99	.8632634
34	.8593785	67	.8613552	7300	.8633229

N.	Logarith.	N.	Logarith.	N.	Logarith.
7301	3.8633823	7334	3.8653409	7367	3.8672907
7302	3.8634418	7335	3.8654001	7368	3.8673496
7303	3.8635013	7336	3.8654593	7369	3.8674086
7304	3.8635608	7337	3.8655185	7370	3.8674675
7305	3.8636202	7338	3.8655777	7371	3.8675264
06	.8636797	39	.8656369	72	.8675853
07	.8637391	40	.8656961	73	.8676442
08	.8637985	41	.8657552	74	.8677031
09	.8638580	42	.8658144	75	.8677620
01	.8639174	43	.8658735	76	.8671209
11	.8639768	44	.8659327	77	.8678798
12	.8640362	45	.8659918	78	.8679386
13	.8640956	46	.8660509	79	.8679975
14	.8641550	47	.8661100	80	.8680564
15	.8642143	48	.8661691	81	.8681152
16	.8642737	49	.8662282	82	.8681740
17	.8643331	50	.8662873	83	.8682329
18	.8643924	51	.8663464	84	.8682917
19	.8644517	52	.8664055	85	.8683505
20	.8645111	53	.8664646	86	.8684093
21	.8645704	54	.8665236	87	.8684681
22	.8646297	55	.8665827	88	.8685269
23	.8646890	56	.8666417	89	.8685857
24	.8647483	57	.8667008	90	.8686444
25	.8648076	58	.8667598	91	.8687032
7326	.8648669	59	.8668188	92	.8687620
27	.8649262	60	.8668778	93	.8688207
28	.8649855	61	.8669368	94	.8688794
29	.8650447	62	.8669958	95	.8689382
30	.8651040	63	.8670548	96	.8689969
31	.8651632	64	.8671138	97	.8690556
32	.8652225	65	.8671728	98	.8691143
33	.8652817	66	.8672317	99	.8691730
34	.8653409	67	.8672907	7400	.8692317

N.	Logarith.	N.	Logarith.	N.	Logarith.
7401	3.8692904	7434	3.8712226	7467	3.8731462
7402	3.8693491	7435	3.8712810	7468	3.8732043
7403	3.8694077	7436	3.8713394	7469	3.8732624
7404	3.8694664	7437	3.8713978	7470	3.8733206
7405	3.8695251	7438	3.8714562	7471	3.8733787
06	.8695837	39	.8715146	72	.8734369
07	.8696423	40	.8715729	73	.8734950
08	.8697010	41	.8716313	74	.8735531
09	.8697596	42	.8716897	75	.8736112
19	.8698182	43	.8717480	76	.8736693
11	.8698768	44	.8718064	77	.8737274
12	.8699354	45	.8718647	78	.8737855
13	.8699940	46	.8719230	79	.8738435
14	.8700526	47	.8719814	80	.8739016
15	.8701111	48	.8720397	81	.8739597
16	.8701697	49	.8720980	82	.8740177
17	.8702283	50	.8721563	83	.8740757
18	.8702868	51	.8722146	84	.8741338
19	.8703454	52	.8722728	85	.8741918
20	.8704039	53	.8723311	86	.8742498
21	.8704624	54	.8723894	87	.8743078
22	.8705209	55	.8724476	88	.8743658
23	.8705795	56	.8725059	89	.8744238
24	.8706380	57	.8725641	90	.8744818
25	.8706965	58	.8726224	91	.8745398
26	.8707549	59	.8726806	92	.8745978
27	.8708134	60	.8727388	93	.8746557
28	.8708719	61	.8727970	94	.8747137
29	.8709304	62	.8728552	95	.8747716
30	.8709888	63	.8729134	96	.8748296
31	.8710473	64	.8729716	97	.8748875
32	.8711057	65	.8730298	98	.8749454
33	.8711641	66	.8730880	99	.8750034
34	.8712226	67	.8731461	7500	.8750613

N.	Logarith.	N.	Logarith.	N.	Logarith.
7501	3.8751192	7534	3.8770256	7567	3.8789237
7502	3.8751771	7535	3.8770833	7568	3.8789811
7503	3.8752349	7536	3.8771409	7569	3.8790385
7504	3.8752928	7537	3.8771985	7570	3.8790959
7505	3.8753507	7538	3.8772561	7571	3.8791532
06	.8754086	39	.8773137	72	.8792106
07	.8754664	40	.8773713	73	.8792680
08	.8755243	41	.8774289	74	.8793253
09	.8755821	42	.8774865	75	.8793826
01	.8756399	43	.8775441	76	.8794400
11	.8756978	44	.8776017	77	.8794973
12	.8757556	45	.8776592	78	.8795546
13	.8758134	46	.8777168	79	.8796119
14	.8758712	47	.8777743	80	.8796692
15	.8759290	48	.8778319	81	.8797265
16	.8759868	49	.8778894	82	.8797838
17	.8760445	50	.8779469	83	.8798411
18	.8761023	51	.8780045	84	.8798983
19	.8761601	52	.8780620	85	.8799556
20	.8762178	53	.8781195	86	.8800128
21	.8762756	54	.8781770	87	.8800701
22	.8763333	55	.8782345	88	.8801273
23	.8763911	56	.8782919	89	.8801846
24	.8764488	57	.8783494	90	.8802418
25	.8765065	58	.8784069	91	.8802990
26	.8765642	59	.8784643	92	.8803562
27	.8766219	60	.8785218	93	.8804134
28	.8766796	61	.8785792	94	.8804706
29	.8767373	62	.8786367	95	.8805278
30	.8767950	63	.8786941	96	.8805850
31	.8768526	64	.8787515	97	.8806421
32	.8769103	65	.8788089	98	.8806993
33	.8769680	66	.8788663	99	.8807564
34	.8770256	67	.8789237	7600	.8808136

N.	Logarith.	N.	Logarith.	N.	Logarith.
7601	3.8808707	7634	3.8827522	7667	3.8846255
7602	3.8809279	7635	3.8828090	7668	3.8846821
7603	3.8809850	7636	3.8828659	7669	3.8847387
7604	3.8810421	7637	3.8829228	7670	3.8847954
7605	3.8810992	7638	3.8829797	7671	3.8848520
06	.8811563	39	.8830365	72	.8849086
07	.8812134	40	.8830934	73	.8849652
08	.8812705	41	.8831502	74	.8850218
09	.8813276	42	.8832070	75	.8850784
10	.8813847	43	.8832639	76	.8851350
11	.8814417	44	.8833207	77	.8851915
12	.8814988	45	.8833775	78	.8852481
13	.8815558	46	.8834343	79	.8853047
14	.8816129	47	.8834911	80	.8853612
15	.8816699	48	.8835479	81	.8854178
16	.8817269	49	.8836047	82	.8854743
17	.8817840	50	.8836614	83	.8855308
18	.8818410	51	.8837182	84	.8855874
19	.8818980	52	.8837750	85	.8856439
20	.8819550	53	.8838317	86	.8857004
21	.8820120	54	.8838885	87	.8857569
22	.8820689	55	.8839452	88	.8856134
23	.8821259	56	.8840019	89	.8858699
24	.8821829	57	.8840586	90	.8859263
25	.8822398	58	.8841154	91	.8859828
26	.8822968	59	.8841721	92	.8860393
27	.8823537	60	.8842288	93	.8860957
28	.8824107	61	.8842855	94	.8861522
29	.8824676	62	.8843421	95	.8862086
30	.8825245	63	.8843988	96	.8862651
31	.8825815	64	.8844555	97	.8863215
32	.8826384	65	.8845122	98	.8863779
33	.8826953	66	.8845688	99	.8864343
34	.8827522	67	.8846255	7700	.8864907

N.	Logarith.	N.	Logarith.	N.	Logarith.
7701	3.8865471	7734	3.8884042	7767	3.8902533
7702	3.8866035	7735	3.8884603	7768	3.8903092
7703	3.8866599	7736	3.8885165	7769	3.8903651
7704	3.8867163	7737	3.8885726	7770	3.8904210
7705	3.8867726	7738	3.8886287	7771	3.8904769
06	.8868290	39	.8886848	72	.8905328
07	.8868854	40	.8887410	73	.8905887
08	.8869417	41	.8887971	74	.8906445
09	.8869980	42	.8888532	75	.8907004
10	.8870544	43	.8889093	76	.8907562
11	.8871107	44	.8889653	77	.8908121
12	.8871670	45	.8890214	78	.8908679
13	.8872233	46	.8890775	79	.8909238
14	.8872796	47	.8891335	80	.8909796
15	.8873359	48	.8891896	81	.8910354
16	.8873922	49	.8892457	82	.8910912
17	.8874485	50	.8893017	83	.8911470
18	.8875048	51	.8893577	84	.8912028
19	.8875610	52	.8894138	85	.8912586
20	.8876173	53	.8894698	86	.8913144
21	.8876735	54	.8895258	87	.8913702
22	.8877298	55	.8895818	88	.8914259
23	.8877860	56	.8896378	89	.8914817
24	.8878423	57	.8896938	90	.8915375
25	.8878985	58	.8897498	91	.8915932
26	.8879547	59	.8898057	92	.8916489
27	.8880109	60	.8898617	93	.8987047
28	.8880671	61	.8899177	94	.8917604
29	.8881233	62	.8899736	95	.8918161
30	.8881795	63	.8900296	96	.8918718
31	.8882357	64	.8900855	97	.8919275
32	.8882918	65	.8901415	98	.8919832
33	.8883480	66	.8901974	99	.8920389
34	.8884042	67	.8902533	7800	.8920946

N.	Logarith.	N.	Logarith.	N.	Logarith.
7801	3.8921503	7834	3.8939836	7867	3.8958092
7802	3.8922059	7835	3.8940390	7868	3.8958644
7803	3.8922616	7836	3.8940944	7869	3.8959197
7804	3.8923173	7837	3.8941498	7870	3.8959747
7805	3.8923729	7838	3.8942053	7871	3.8960299
06	.8924285	39	.8942607	72	.8960851
07	.8924842	40	.8943161	73	.8961403
08	.8925398	41	.8943715	74	.8961954
09	.8925954	42	.8944268	75	.8962506
10	.8926510	43	.8944822	76	.8963057
11	.8927066	44	.8945376	77	.8963608
12	.8927622	45	.8945929	78	.8964160
13	.8928178	46	.8946483	79	.8964711
14	.8928734	47	.8947036	80	.8965262
15	.8929290	48	.8947590	81	.8965813
16	.8929845	49	.8948143	82	.8966364
17	.8930401	50	.8948696	83	.8966915
18	.8930957	51	.8949250	84	.8967466
19	.8931512	52	.8949803	85	.8968017
20	.8932067	53	.8950356	86	.8968568
21	.8932623	7854	.8950909	87	.8969118
22	.8933178	55	.8951462	88	.8969669
23	.8933733	56	.8952015	89	.8970219
24	.8934288	57	.8952567	90	.8970770
25	.8934843	58	.8953120	91	.8971320
26	.8935398	59	.8953673	92	.8971871
27	.8935953	60	.8954225	93	.8972421
28	.8936508	61	.8954778	94	.8972971
29	.8937063	62	.8955330	95	.8973521
30	.8937618	63	.8955883	96	.8974071
31	.8938172	64	.8956435	97	.8974621
32	.8938727	65	.8956987	98	.8975171
33	.8939281	66	.8957539	99	.8975721
34	.8939836	67	.8958092	7900	.8976721

N.	Logarith.	N.	Logarith.	N.	Logarith.
7901	3.8976821	7934	3.8994922	7967	3.9012948
7902	3.8977370	7935	3.8995469	7968	3.9013493
7903	3.8977920	7936	3.8996017	7969	3.9014038
7904	3.8978469	7937	3.8996564	7970	3.9014583
7905	3.8979019	7938	3.8997111	7971	3.9015128
06	.8979568	39	.8997658	72	.9005673
07	.8980117	40	.8998205	73	.9016218
08	.8980667	41	.8998752	74	.9016762
09	.8981216	42	.8999299	75	.9017307
10	.8981765	43	.8999846	76	.9017851
11	.8982314	44	.9000392	77	.9018396
12	.8982863	45	.9000939	78	.9018940
13	.8983412	46	.9001486	79	.9019485
14	.8983960	47	.9002032	80	.9020029
15	.8984509	48	.9002579	81	.9020573
16	.8985058	49	.9003125	82	.9021117
17	.8985606	50	.9003671	83	.9021661
18	.8986155	51	.9004218	84	.9022205
19	.8986703	52	.9004764	85	.9022749
20	.8987252	53	.9005310	86	.9023293
21	.8987800	54	.9005856	87	.9023837
22	.8988348	55	.9006402	88	.9024381
23	.8988897	56	.9006948	89	.9024924
24	.8989445	57	.9007494	90	.9025468
25	.8989993	58	.9008039	91	.9026011
26	.8990541	59	.9008585	92	.9026555
27	.8991089	60	.9009131	93	.9027098
28	.8991636	61	.9009676	94	.9027641
29	.8992185	62	.9010222	95	.9028185
30	.8992732	63	.9010767	96	.9028728
31	.8993279	64	.9011313	97	.9029271
32	.8993827	65	.9011858	98	.9029814
33	.8994375	66	.9012403	99	.9030357
34	.8994922	67	.9012948	8000	.9030900

N.	Logarith.	N.	Logarith.	N.	Logarith.
8001	3.9031443	8034	3.9049318	8067	3.9067121
8002	3.9031985	8035	3.9049859	8068	3.9067659
8003	3.9032528	8036	3.9050399	8069	3.9068197
8004	3.9033071	8037	3.9050940	8070	3.9068735
8005	3.9033613	8038	3.9051480	8071	3.9069273
06	.9034156	39	.9052020	72	.9069812
07	.9034698	40	.9052560	73	.9070350
08	.9035241	41	.9053101	74	.9070887
09	.9035783	42	.9053641	75	.9071425
10	.9036325	43	.9054181	76	.9071963
11	.9036867	44	.9054721	77	.9072501
12	.9037409	45	.9055260	78	.9073038
13	.9037951	46	.9055800	79	.9073576
14	.9038493	47	.9056340	80	.9074114
15	.9039035	48	.9056880	81	.9074651
11	.9039577	49	.9057419	82	.9075188
12	.9040119	50	.9057959	83	.9075726
13	.9040661	51	.9058498	84	.9076263
14	.9041202	52	.9059038	85	.9076800
20	.9041744	53	.9059577	86	.9077337
21	.9042285	54	.9060116	87	.9077874
22	.9042827	55	.9060655	88	.9078411
23	.9043368	56	.9061195	89	.9078948
24	.9043909	57	.9061734	90	.9079485
25	.9044450	58	.9062273	91	.9080022
26	.9044992	59	.9062812	92	.9080559
27	.9045533	60	.9063350	93	.9081095
28	.9046074	61	.9063889	94	.9081632
29	.9046615	62	.9064428	95	.9082169
30	.9047155	63	.9064967	96	.9082705
31	.9047696	64	.9065505	97	.9083241
32	.9048237	65	.9066044	98	.9083778
33	.9048778	66	.9066582	99	.9084314
34	.9049318	67	.9067121	8100	3.9084850

N.	Logarith.	N.	Logarith.	N.	Logarith.	
8101	3.9085386	8134	3.9103042	8167	3.9120625	
8102	3.9085922	8135	3.9103575	8168	3.9121157	
8103	3.9086458	8136	3.9104110	8169	3.9121689	
8104	3.9086994	8137	3.9104643	8170	3.9122220	
8105	3.9087530	8138	3.9105177	8171	3.9122752	
06	.9088066	39	.9105710	72	.9123233	
07	.9088602	40	.9106244	73	.9123815	
08	.9089137	41	.9106777	74	.9124346	
09	.9089673	42	.9107311	75	.9129878	4
10	.9090208	43	.9107844	76	.9125409	
11	.9090744	44	.9108378	77	.9125940	
12	.9091279	45	.9108911	78	9126471	
13	.9091815	46	.9109444	79	.9127002	
14	.9092350	47	.9109977	80	.9127533	
15	.9092885	48	.9110510	81	.9128064	
16	.9093420	49	.9111043	82	.9128595	
17	.9093955	50	.9111576	83	.9129125	
18	.9094490	51	.9112109	84	.9129656	
19	.9095025	52	. 9112642	85	.9130187	
20	.9095560	53	.9113174	86	.9130717	
21	.9096095	54	.9113707	87	.9131248	
22	.9096630	55	.9114240	88	.9131778	
23	.9097164	56	.9114772	89	.9132309	
24	.9097699	57	.9115305	90	.9132839	
25	.9098234	58	.9115837	91	.9133369	
26	.9098768	59	.9116369	92	.9133899	
27	.9099302	60	.9116902	93	.9134429	
28	.9099837	61	.9117434	94	.9134959	
29	.9100371	62	.9117966	95	.9135489	
30	.9100905	63	.9118498	96	.9136019	
31	.9101440	64	.9119030	8197	.9136549	
32	.9101974	65	.9119562	98	.9137079	
33	.9102508	66	.9120094	99	.9137609	
34	.9103042	67	.9120625	8200	.9138139	

N.	Logarith.	N.	Logarith.	N.	Logarith.
8201	3.9138668	8234	3.9156109	8267	3.9173479
8202	3.9139198	8235	3.9156636	8268	3.9174005
8203	3.9139727	8236	3.9157163	8269	3.9174530
8204	3.9140256	8237	3.9157691	8270	3.9175055
8205	3.9140786	8238	3.9158218	8271	3.9175580
06	.9141315	39	.9158745	72	.9176105
07	.9141844	40	.9156272	73	.9176630
08	.9142373	41	.9159799	74	.9177155
09	.9142902	42	.9160326	75	.9177680
10	.9143432	43	.9160853	76	.9178205
11	.9143960	44	.9161380	77	.9178729
12	.9144489	45	.9161907	78	.9179254
13	.9145018	46	.9162433	79	.9179779
14	.9145547	47	.9162960	80	.9180303
15	.9146076	48	.9163487	81	.9180828
~~11~~ 16	.9146604	49	.9164013	82	.9181352
~~12~~ 17	.9147133	50	.9164539	83	.9181877
~~13~~ 18	.9147661	51	.9165066	84	.9182401
~~14~~ 19	.9148190	52	.9165592	85	.9182925
20	.9148718	53	.9166118	86	.9183449
21	.9149246	54	.9166645	87	.9183973
22	.9149775	55	.9167171	88	.9184497
23	.9150303	56	.9167697	89	.9185021
24	.9150831	57	.9168223	90	.9185545
25	.9151359	58	.9168749	91	.9186069
26	.9151887	59	.9169275	92	.9186593
27	.9152415	60	.9169800	93	.9187117
28	.9152943	61	.9170326	94	.9187640
29	.9153471	62	.9170852	95	.9188164
30	.9153998	63	.9171377	96	9188687
31	.9154526	64	.9171903	97	.9189211
32	.9155054	65	.9172428	98	.9189734
33	.9155581	66	.9172954	99	.9190258
34	.9156109	67	.9173479	8300	.9190781

N.	Logarith.	N.	Logarith.	N.	Logarith.
8301	3.9191304	8334	3.9208535	8367	3.9225698
8302	3.9191827	8335	3.9209056	8368	3.9226217
8303	3.9192350	8336	3.9209577	8369	3.9226736
8304	3.9192873	8337	3.9210098	8370	3.9227255
8305	3.9193396	8338	3.9210619	8371	3.9227773
06	.9193919	39	.9211140	72	.9228292
07	.9194442	40	.9211661	73	.9228811
08	.9194965	41	.9212181	74	.9229330
09	.9195488	42	.9212702	75	.9229848
10	.9196010	43	.9213222	76	.9230367
11	.9196533	44	.9213743	77	.9230885
12	.9197055	45	.9214263	78	9231404
13	.9197578	46	.9214784	79	.9231922
14	.9198100	47	.9215304	80	.9232440
15	.9198623	48	.9215824	81	.9232958
16	.9199145	49	.9216345	82	.9233477
17	.9199667	50	.9216865	83	.9233995
18	.9200189	51	.9217385	84	.9234513
19	.9200711	52	.9217905	85	.9235031
20	.9201233	53	.9218425	86	.9235549
21	.9201755	54	.9218945	87	.9236066
22	.9202277	55	.9219465	88	.9236584
23	.9202799	56	.9219984	89	.9237102
24	.9203321	57	.9220504	90	.9237620
25	.9203842	58	.9221024	91	.9238137
26	.9204364	59	.9221543	92	.9238655
27	.9204886	60	.9222063	93	.9239172
28	.9205407	61	.9222582	94	.9239690
29	.9205929	62	.9223102	95	.9240207
30	.9206450	63	.9223621	96	.9240724
31	.9206971	64	.9224140	97	.9241242
32	.9207493	65	.9224659	98	.9241759
33	.9208014	66	.9225179	99	.9242276
34	.9208535	67	.9225698	8400	.9242793

N.	Logarith.	N.	Logarith.	N.	Logarith.
8401	3.9243310	8434	3.9260336	8467	3.9277296
8402	3.9243827	8435	3.9260851	8468	3.9277808
8403	3.9244344	8436	3.9261366	8469	3.9278321
8404	3.9244860	8437	3.9261880	8470	3.9278834
8405	3.9245377	8438	3.9262395	8471	3.9279347
06	3.9245894	39	.9262910	72	.9279859
07	3.9246410	40	.9263424	73	.9280372
08	3.9246927	41	.9263939	74	.9280885
09	3.9247444	42	.9264453	75	.9281397
10	3.9247960	43	.9264968	76	.9281909
11	.9248476	44	.9265482	77	.9282422
12	.9248993	45	.9265997	78	.9282934
13	.9249509	46	.9266511	79	.9283446
14	.9250025	47	.9267025	80	.9283959
15	.9250541	48	.9267539	81	.9284471
16	.9251057	49	.9268053	82	.9284983
17	.9251573	50	.9268567	83	.9285495
18	.9252089	51	.9269081	84	.9286007
19	.9252605	52	.9269595	85	.9286518
20	.9253121	53	.9270109	86	.9287030
21	.9253637	54	.9270622	87	.9287542
22	.9254152	55	.9271136	88	.9288054
23	.9254668	56	.9271650	89	.9288565
24	.9255184	57	.9272163	90	.9289077
25	.9255699	58	.9272677	91	.9289588
26	.9256215	59	.9273190	92	.9290100
27	.9256730	60	.9273704	93	.9290611
28	.9257245	61	.9274217	94	.9291123
29	.9257761	62	.9274730	95	.9291634
30	.9258276	63	.9275243	96	.9292145
31	.9258791	64	.9275757	97	.9292656
32	.9259306	65	.9276270	98	.9293167
33	.9259821	66	.9276783	99	.9293678
34	.9260336	67	.9277296	8500	.9294189

N.	Logarith.	N.	Logarith.	N.	Logarith.
8501	3.9294760	8534	3.9311526	8567	3.9328288
8502	3.9295211	8535	3.9312035	8568	3.9328794
8503	3.9295722	8536	3.9312544	8569	3.9329301
8504	3.9296232	8537	3.9313053	8570	3.9329808
8505	3.9296743	8538	3.9313561	8571	3.9330315
06	3.9297254	39	.9314070	72	.9330822
07	3.9297764	40	.9314579	73	.9331328
08	3.9298275	41	.9315087	74	.9331835
09	3.9298785	42	.9315596	75	.9332342
10	3.9299296	43	.9316104	76	.9332848
11	.9299806	44	.9316612	77	.9333354
12	.9300316	45	.9317121	78	.9333860
13	.9300826	46	.9317629	79	.9334367
14	.9301336	47	.9318137	80	.9334873
15	.9301846	48	.9318645	81	.9335379
16	.9302356	49	.9319153	82	.9335885
17	.9302866	50	.9329661	83	.9336391
18	.9303376	51	.9320169	84	.9336897
19	.9303886	52	.9320677	85	.9337403
20	.9304396	53	.9321185	86	.9337909
21	.9304906	54	.9321692	87	.9338415
22	.9305415	55	.9322200	88	.9338920
23	.9305925	56	.9322708	89	.9339426
24	.9306434	57	.9323215	90	.9339932
25	.9306944	58	.9323723	91	.9340437
26	.9307453	59	.9324230	92	.9340943
27	.9307963	60	.9324738	93	.9341448
28	.9308472	61	.9325245	94	.9341953
29	.9308981	62	.9325752	95	.9342459
30	.9309490	63	.9326259	96	.9342964
31	.9309999	64	.9326766	97	.9343469
32	.9310508	65	.9327274	98	.9343974
33	.9311017	66	.9327781	99	.9344479
34	.9311526	67	.9328288	8600	.9344984

N.	Logarith.	N.	Logarith.	N.	Logarith.
8601	3.9345489	8634	3.9362120	8667	3.9378688
8602	3.9345994	8635	3.9362623	8668	3.9379189
8603	3.9346499	8636	3.9363126	8669	3.9379690
8604	3.9347004	8637	3.9363629	8670	3.9380191
8605	3.9347509	8638	3.9364132	8671	3.9380692
06	.9348013	39	.9364635	72	.9381193
07	.9348518	40	.9365137	73	.9381693
08	.9349022	41	.9365640	74	.9382194
09	.9349527	42	.9366143	75	.9382695
10	.9350031	43	.9366645	76	.9383195
11	.9350536	44	.9367148	77	.9383696
12	.9351040	45	.9367650	78	.9384196
13	.9351544	46	.9368152	79	.9384697
14	.9352049	47	.9368654	80	.9385197
15	.9352553	48	.9369157	81	.9385698
16	.9353057	49	.9369659	82	.9386198
17	.9353561	50	.9370161	83	.9386698
18	.9354065	51	.9370663	84	.9387198
19	.9354569	52	.9371165	85	.9387698
20	.9355073	53	.9371667	86	.9388198
21	.9355576	54	.9372169	87	.9388698
22	.9356080	55	.9372671	88	.9389198
23	.9356584	56	.9373172	89	.9389698
24	.9357087	57	.9373674	90	.9390198
25	.9357591	58	.9374176	91	.9390697
26	.9358094	59	.9374677	92	.9391197
27	.9358598	60	.9375179	93	.9391697
28	.9359101	61	.9375680	94	.9392196
29	.9359605	62	.9376182	95	.9392696
30	.9360108	63	.9376683	96	.9393195
31	.9360611	64	.9377184	97	.9393695
32	.9361114	65	.9377686	98	.9394194
33	.9361617	66	.9378187	99	.9394693
34	.9362120	67	.9378688	8700	.9395192

N.	Logarith.	N.	Logarith.	N.	Logarith.
8701	3.9395692	8734	3.9412132	8767	3.9428510
8702	3.9396191	8735	3.9412629	8768	3.9429005
8703	3.9396690	8736	39413126	8769	3.9429501
8704	3.9397189	8737	3.9413623	8770	3.9429996
8705	3.9397688	8738	3.9414120	8771	3.9430491
06	.9398187	39	.9414617	72	.9430986
07	.9398685	40	.9415114	73	.9431481
08	.9399184	41	.9415611	74	.9431976
09	.9399683	42	.9416108	75	.9432471
10	.9400182	43	.9416605	76	.9432966
11	.9400680	44	.9417101	77	.9433461
12	.9401179	45	.9417598	78	.9433956
13	.9401677	46	.9418095	79	.9434450
14	.9402176	47	.9418591	80	.9434945
15	.9402674	48	.9419088	81	.9435440
16	.9403172	49	.9419584	82	.9435934
17	.9403670	50	.9420081	83	.9436429
18	.9404169	51	.9420577	84	.9436923
19	.9404667	52	.9421073	85	.9437418
20	.9405165	53	.9421569	86	.9437912
21	.9405663	54	.9422065	87	.9438406
22	.9406161	55	.9422561	88	.9438900
23	.9406659	56	.9423058	89	.9439395
24	.9407157	57	.9423553	90	.9439889
25	.9407654	58	.9424049	91	.9440383
26	.9408152	59	.9424545	92	.9440877
27	.9408650	60	.9425041	93	.9441371
28	.9409147	61	.9425537	94	.9441865
29	.9409645	62	.9426032	95	.9442358
30	.9410142	63	.9426528	96	.9442852
31	.9410640	64	.9427024	97	.9443346
32	.9411137	65	.9427519	98	.9443840
33	.9411635	66	.9428015	99	.9444333
34	.9412132	67	.9428510	8800	.8444827

N.	Logarith.	N.	Logarith.	N.	Logarith.
8801	3.9445320	8834	3.9461574	8867	3.9477767
8802	3.9445814	8835	3.9462065	8868	3.9478257
8803	3.9446307	8836	3.9462557	8869	3.9478746
8804	3.9446800	8837	3.9463049	8870	3.9479236
8805	3.9447294	8838	3.9463540	8871	3.9479726
06	.9447787	39	.9464031	72	.9480215
07	.9448280	40	.9464523	73	.9480705
08	.9448773	41	.9465014	74	.9481194
09	.9449266	42	.9465505	75	.9481684
19	.9449759	43	.9465996	76	.9482173
11	.9450252	44	.9466487	77	.9482662
12	.9450745	45	.9466978	78	.9483151
13	.9451238	46	.9467469	79	.9483640
14	.9451730	47	.9467960	80	.9484130
15	.9452223	48	.9468451	81	.9484619
16	.9452716	49	.9468942	82	.9485108
17	.9453298	50	.9469433	83	.9485597
18	.9453701	51	.9461923	84	.9486085
19	.9454193	52	.9470414	85	.9486574
20	.9454686	53	.9470905	86	.9487063
21	.9455178	54	.9471395	87	.9487552
22	.9455670	55	.9471886	88	.9488040
23	.9456163	56	.9472376	89	.9488529
24	.9456655	57	.9472866	90	.9489018
25	.9457147	58	.9473357	91	.9489506
26	.9457639	59	.9473847	92	.9489994
27	.9458131	60	.9474337	93	.9490483
28	.9458623	61	.9474827	94	.9490971
29	.9459115	62	.9475317	95	.9491459
30	.9459607	63	.9475807	96	.9491948
31	.9460099	64	.9476297	97	.9492436
32	.9460591	65	.9476787	98	.9492924
33	.9461082	66	.9477277	99	.9493412
34	.9461574	67	.9477767	8900	.9493900

N.	Logarith.	N.	Logarith.	N.	Logarith.
8901	3.9494388	8934	3.9510459	8967	3.9526472
8902	3.9494876	8935	3.9510946	8968	3.9526956
8903	3.9495364	8936	3.9511432	8969	3.9527440
8904	3.9495852	8937	3.9511918	8970	3.9527924
8905	3.9496339	8938	3.9512404	8971	3.9528409
06	3.9496827	39	.9512889	72	.9528893
07	3.9497315	40	.9513375	73	.9529377
08	3.9497802	41	.9513861	74	.9529861
09	3.9498290	42	.9514347	75	.9530345
10	3.9498777	43	.9514832	76	.9530828
11	.9499264	44	.9515318	77	.9531312
12	.9499752	45	.9515803	78	.9531796
13	.9500239	46	.9516289	79	.9532280
14	.9500726	47	.9516774	80	.9532763
15	.9501213	48	.9517260	81	.9533247
16	.9501701	49	.9517745	82	.9533730
17	.9502188	50	.9518230	83	.9534214
18	.9502675	51	.9518716	84	.9534697
19	.9503162	52	.9519201	85	.9535181
20	.9503649	53	.9519686	86	.95[illegible]5664
21	.9504135	54	.9520171	87	.9536147
22	.9504622	55	.9520656	88	.9536631
23	.9505109	56	.9521141	89	.9537114
24	.9505596	57	.9521626	90	.9537597
25	.9506082	58	.9522111	91	.9538080
26	.9506569	59	.9522595	92	.9538563
27	.9507055	60	.9523080	93	.9539046
28	.9507542	61	.9523565	94	.9539529
29	.9508028	62	.9524049	95	.9540012
30	.9508515	63	.9524534	96	.9540494
31	.9509001	64	.9525018	97	.9540977
32	.9509487	65	.9525503	98	.9541460
33	.9509973	66	.9525987	99	.9541943
34	.9510459	67	.952[illegible]472	9000	3.9542425

N.	Logarith.	N.	Logarith.	N.	Logarith.
9001	3.9542908	9034	3.9558801	9067	3.9574636
9002	3.9543390	9035	3.9559282	9068	3.9575115
9003	3.9543872	9036	3.9559762	9069	3.9575594
9004	3.9544355	9037	3.9560253	9070	3.9576073
9005	3.9544837	9038	3.9560723	9071	3.9576552
06	.9545319	39	.9561204	72	.9577030
07	.9545802	40	.9561684	73	.9577509
08	.9546284	41	.9562165	74	.9577988
09	.9546766	42	.9562645	75	.9578466
10	.9547248	43	.9563125	76	.9578945
11	.9547730	44	.9563606	77	.9579423
12	.9548212	45	.9564086	78	.9579902
13	.9548694	46	.9564566	79	.9580380
14	.9549176	47	.9565046	80	.9580858
15	.9549657	48	.9565526	81	.9581337
16	.9550139	49	.9566006	82	.9581815
17	.9550621	50	.9566486	83	.9582293
18	.9551102	51	.9566966	84	.9582771
19	.9551584	52	.9567445	85	.9583249
20	9552065	53	.9567925	86	.9583727
21	.9552547	54	.9568405	87	.9584205
22	.9553928	55	.9568885	88	.9584683
23	.9553510	56	.9569364	89	.9585161
24	.9553991	57	.9569844	90	.9585639
25	.8554472	58	.9570323	91	.8586117
26	.9554953	59	.9570803	92	.9586594
27	.9555434	60	.9571282	93	.9587072
28	.9555915	61	.9571761	94	.9587549
29	.9556397	61	.9572241	95	.9588027
30	.9556877	63	.9572720	96	.9588505
31	.9557358	64	.9573199	97	.9588982
32	.9557839	65	.9573678	98	.9589455
33	.9558320	66	.9574157	99	.9589937
34	.9558801	67	.9574636	9100	.9590414

N.	Logarith.	N.	Logarith.	N.	Logarith.
9101	3.9590891	9134	3.9606610	9167	3.9622272
9102	3.9591368	9135	3.9607085	9168	3.9622746
9103	3.9591845	9136	3.9607561	9169	3.9623220
9104	3.9592322	9137	3.9608036	9170	3.9623693
9105	3.9592799	9138	3.9608511	9171	3.9624167
06	.9593276	39	.9608987	72	.9624640
07	.9593753	40	.9609462	73	.9625114
08	.9594230	41	.9609937	74	.9625587
09	.9594707	42	.9610412	75	.9626061
10	.9595184	43	.9610887	76	.9626534
11	.9595660	44	.9611362	77	.9627007
12	.9596137	45	.9611837	78	.9627480
13	.9596614	46	.9612312	79	.9627954
14	.9597090	47	.9612787	80	.9628427
15	.9597567	48	.9613261	81	.9628900
16	.9598043	49	.9613736	82	.9629373
17	.9598519	50	.9614211	83	.9629846
18	.9598996	51	.9614685	84	.9630319
19	.9599472	52	.9615160	85	.9630792
20	.9599948	53	.9615635	86	.9631264
21	.9600424	54	.9616109	87	.9631737
22	.9600901	55	.9616583	88	.9632210
23	.9601377	56	.9617058	89	.9632683
24	.9601853	57	.9617532	90	.9633155
25	.9602329	58	.9618006	91	.9633628
26	.9602805	59	.9618480	92	.9634100
27	.9603280	60	.9618955	93	.9634573
28	.9603756	61	.9619429	94	.9635045
29	.9604232	62	.9619903	95	.9635517
30	.9604708	63	.9620377	96	.9635990
31	.9605183	64	.9620851	97	.9636462
32	.9605659	65	.9621325	98	.9636934 69
33	.9606134	66	.9621798	99	.9637406
34	.9606610	67	.9622272	9200	.9637878

N.	Logarith.	N.	Logarith.	N.	Logarith.
9201	3.9638350	9234	3.9653899	9267	3.9669392
9202	3.9638822	9235	3.9654369	9268	3.9669860
9203	3.9639294	9236	3.9654839	9269	3.9670329
9204	3.9639766	9237	3.9655309	9270	3.9670797
9205	3.9640238	9238	3.9655789	9271	3.9671266
06	.9640710	39	.9656250	72	.9671734
07	.9641181	40	.9656720	73	.9672202
08	.9641653	41	.9657190	74	.9672671
09	.9642125	42	.9657660	75	.9673139
10	.9642596	43	.9658129	76	.9673607
11	.9643068	44	.9658599	77	.9674075
12	.9643539	45	.9659069	78	.9674544
13	.9644011	46	.9659539	79	.9675012
14	.9644482	47	.9660008	80	.9675480
15	.9644953	48	.9660478	81	.9675948
16	.9645425	49	.9660948	82	.9676416
17	.9645896	50	.9661417	83	.9676883
18	.9646367	51	.9661887	84	.9677351
19	.9646838	52	.9662356	85	.9677819
20	.9647309	53	.9662826	86	.9678287
21	.9647780	54	.9663295	87	.9678754
22	.9648251	55	.9663764	88	.9679222
23	.9648722	56	.9664233	89	.9679690
24	.9649193	57	.9664703	90	.9680157
25	.8949664	58	.9665172	91	.8980625
26	.9650134	59	.9665641	92	.9681092
27	.9650605	60	.9666110	93	.9681559
28	.9651076	61	.9666579	94	.9682027
29	.9651546	62	.9667048	95	.9682494
30	.9652017	63	.9667517	96	.9682961
31	.9652487	64	.9667985	97	.9683428
32	.9652958	65	.9668454	98	.9683895
33	.9653428	66	.9668923	99	.9684362
34	.9653898	67	.9669392	9300	.9684809

N.	Logarith.	N.	Logarith.	N.	Logarith.
9301	3.9685296	9334	3.9700678	9367	3.9716005
9302	3.9685763	9335	3.9701143	9368	3.9716469
9303	3.9686230	9336	3.9701608	9369	3.9716932
9304	3.9686697	9337	3.9702074	9370	3.9717396
9305	3.9687164	9338	3.9702539	9371	3.9717859
06	.9687630	39	.9703004	72	.9718323
07	.9688097	40	.9703469	73	.9718786
08	.9688564	41	.9703934	74	.9719249
09	.9689030	42	.9704399	75	.9719713
10	.9689497	43	.9704863	76	.9720176
11	.9689963	44	.9705328	77	.9720639
12	.9690430	45	.9705793	78	.9721102
13	.9690896	46	.9706258	79	.9721565
14	.9691362	47	.9706722	80	.9722028
15	.9691829	48	.9707187	81	.9722491
16	.9692295	49	.9707652	82	.9722954
17	.9692761	50	.9708116	83	.9723417
18	.9693227	51	.9708581	84	.9723880
19	.9693693	52	.9709045	85	.9724343
20	.9694159	53	.9709509	86	.9724805
21	.9694625	54	.9709974	87	.9725268
22	.9695091	55	.9710438	88	.9725731
23	.9695557	56	.9710902	89	.9726193
24	.9696023	57	.9711366	90	.9726656
25	.9696488	58	.9711830	91	.9727118
26	.9696954	59	.9712294	92	.9727581
27	.9697420	60	.9712758	93	.9728043
28	.9697885	61	.9713222	94	.9728506
29	.9698351	62	.9713686	95	.9728968
30	.9698816	63	.9714150	96	.9729430
31	.9699282	64	.9714614	97	.9729892
32	.9699747	65	.9715078	98	.9730354
33	.9700213	66	.9715542	99	.9730816
34	.9700678	67	.9716005	9400	.9731279

N.	Logarith.	N.	Logarith.	N.	Logarith.
9401	3.9731741	9434	3.9746959	9467	3.9762124
9402	3.9732202	9435	3.9747419	9468	3.9762582
9403	3.9732664	9436	3.9747879	9469	3.9763041
9404	3.9733126	9437	3.9748340	9470	3.9763500
9405	3.9733588	9438	3.9748800	9471	3.9763958
06	.9734050	39	.9749260	72	.9764417
07	.9734511	40	.9749720	73	.9764875
08	.9734973	41	.9750180	74	.9765334
09	.9735435	42	.9750640	75	.9765792
10	.9735896	43	.9751100	76	.9766251
11	.9736358	44	.9751560	77	.9766709
12	.9736819	45	.9752020	78	.9767167
13	.9737281	46	.9752479	79	.9767625
14	.9737742	47	.9752939	80	.9768083
15	.9738203	48	.9753399	81	.9768541
16	.9738664	49	.9753858	82	.9768999
17	.9739126	50	.9754318	83	.9769457
18	.9739587	51	.9754778	84	.9769915
19	.9740048	52	.9755237	85	.9770373
20	.9740509	53	.9755697	86	.9770831
21	.9740970	54	.9756156	87	.9771289
22	.9741431	55	.9756615	88	.9771747
23	.9741892	56	.9757075	89	.9772204
24	.9742353	57	.9757534	90	.9772662
25	.9742814	58	.9757993	91	.9773120
26	.9743274	59	.9758452	92	.9773577
27	.9743735	60	.9758911	93	.9774035
28	.9744196	61	.9759370	94	.9774492
29	.9744656	62	.9759829	95	.9774950
30	.9745117	63	.9760288	96	.9775407
31	.9745577	64	.9760747	97	.9775864
32	.9746038	65	.9761206	98	.9776322
33	.9746498	66	.9761665	99	.9776779
34	.9746959	67	.9762124	9500	.9777236

N.	Logarith.	N.	Logarith.	N.	Logarith.
9501	3.9777693	9534	3.9792751	9567	3.9807757
9502	3.9778150	9535	3.9793207	9568	3.9808212
9503	3.9778607	9536	3.9793662	9569	3.9808665
9504	3.9779064	9537	3.9794118	9570	3.9809119
9505	3.9779521	9538	3.9794573	9571	3.9809573
06	.9779978	39	.9795028	72	.9810027
07	.9780435	40	.9795484	73	.9810480
08	.9780892	41	.9795939	74	.9810934
09	.9781348	42	.9796394	75	.9811388
10	.9781805	43	.9796849	76	.9811841
11	.9782262	44	.9797304	77	.9812295
12	.9782718	45	.9797759	78	9812748
13	.9783175	46	.9798214	79	.9813202
14	.9783631	47	.9798669	80	.9813655
15	.9784088	48	.9799124	81	.9814108
16	.9784544	49	.9799579	82	.9814562
17	.9785001	50	.9800034	83	.9815015
18	.9785457	51	.9800488	84	.9815468
19	.9785913	52	.9800943	85	.9815921
20	.9786369	53	.9801398	86	.9816374
21	.9786826	54	.9801852	87	.9816827
22	.9787282	55	.9802307	88	.9817280
23	.9787738	56	.9802761	89	.9817733
24	.9788194	57	.9803216	90	.9818186
25	.9788650	58	.9803670	91	.9818639
26	.9789106	59	.9804125	92	.9819092
27	.9789562	60	.9804579	93	.9819544
28	.9790017	61	.9805033	94	.9819997
29	.9790473	62	.9805487	95	.9820450
30	.9790929	63	.9805941	96	.9820902
31	.9791835	64	.9806396	97	.9821355
32	.9791840	65	.9806850	98	.9821807
33	.9792296	66	.9807304	99	.9822260
34	.9792751	67	.9807758	9600	.9822712

N.	Logarith.	N.	Logarith.	N.	Logarith.
9601	3.9823165	9634	3.9838066	9667	3.9852917
9602	3.9823617	9635	3.9838517	9668	3.9853366
9603	3.9824069	9636	3.9838968	9669	3.9853816
9604	3.9824521	9637	3.9839418	9670	3.9854265
9605	3.9824974	9638	3.9839869	9671	3.9854714
06	.9825426	39	.9840320	72	.9855163
07	.9825878	40	.9840770	73	.9855612
08	.9826330	41	.9841221	74	.9856061
09	.9826782	42	.9841671	75	.9856510
10	.9827234	43	.9842122	76	.9856958
11	.9827686	44	.9842572	77	.9857407
12	.9828138	45	.9843022	78	.9857856
13	.9828589	46	.9843472	79	.9858305
14	.9829041	47	.9843923	80	.9858753
15	.9829493	48	.9844373	81	.9859202
16 ~~11~~	.9829944	49	.9844823	82	.9859651
17 ~~12~~	.9830396	50	.9845273	83	.9860099
18 ~~13~~	.9830848	51	.9845723	84	.9860548
19 ~~14~~	.9831299	52	.9846173	85	.9860996
20	.9831751	53	.9846623	86	.9861445
21	.9832202	54	.9847073	87	.9861893
22	.9832653	55	.9847523	88	.9862341
23	.9833105	56	.9847972	89	.9862789
24	.9833556	57	.9848422	90	.9863238
25	.9834007	58	.9848872	91	.9863686
26	.9834458	59	.9849322	92	.9864134
27	.9834910	60	.9849771	93	.9864582
28	.9835361	61	.9850221	94	.9865030
29	.9835812	62	.9850670	95	.9865478
30	.9836263	63	.9851120	96	.9865926
31	.9836714	64	.9851569	97	.9866374
32	.9837165	65	.9852018	98	.9866822
33	.9837616	66	.9852468	99	.9867269
34	.9838066	67	.9852917	9700	.9867717

N.	Logarith.	N.	Logarith.	N.	Logarith.
9701	3.9868165	9734	3.9882913	9767	3.9897612
9702	3.9868613	9735	3.9883360	9768	3.9898056
9703	3.9869060	9736	3.9883806	9769	3.9898501
9704	3.9869508	9737	3.9884252	9770	3.9898946
9705	3.9869955	9738	3.9884698	9771	3.9899390
06	.9870403	39	.9885144	72	.9899835
07	.9870850	40	.9885590	73	.9900279
08	.9871298	41	.9886035	74	.9900723
09	.9871745	42	.9886481	75	.9901168
10	.9872192	43	.9886927	76	.9901612
11	.9872640	44	.9887373	77	.9902056
12	.9873087	45	.9887818	78	.9902500
13	.9873534	46	.9888264	79	.9902944
14	.9873981	47	.9888710	80	.9903389
15	.9874428	48	.9889155	81	.9903833
16	.9874875	49	.9889601	82	.9904277
17	.9875322	50	.9890046	83	.9904721
18	.9875769	51	.9890492	84	.9905164
19	.9876216	52	.9890937	85	.9905608
20	.9876663	53	.9891382	86	.9906052
21	.9877109	54	.9891828	87	.9906496
22	.9877556	55	.9892273	88	.9906940
23	.9878003	56	.9892718	89	.9907383
24	.9878449	57	.9893163	90	.9907827
25	.9878896	58	.9893608	91	.9908270
26	.9879343	59	.9894053	92	.9908714
27	.9879789	60	.9894498	93	.9909158
28	.9880236	61	.9894943	94	.9909601
29	.9880682	62	.9895388	95	.9910044
30	.9881128	63	.9895833	96	.9910488
31	.9881575	64	.9896278	97	.9910931
32	.9882021	65	.9896722	98	.9911374
33	.9882467	66	.9897167	99	.9911818
34	.9882913	67	.9897612	9800	.9912261

9802

N.	Logarith.	N.	Logarith.	N.	Logarith.
9801	3.9912704	9834	3.9927302	9867	3.9941851
9802	3.9913147	9835	3.9927744	9868	3.9942291
9803	3.9913590	9836	3.9928185	9869	3.9942731
9804	3.9914033	9837	3.9928627	9870	3.9943172
9805	3.9914476	9838	3.9929068	9871	3.9943612
06	.9914919	39	.9929510	72	.9944051
07	.9915362	40	.9929951	73	.9944491
08	.9915805	41	.9930392	74	.9944931
09	.9916247	42	.9930834	75	.9945371
19	.9916690	43	.9931275	76	.9945811
11	.9917133	44	.9931716	77	.9946251
12	.9917575	45	.9932157	78	.9946690
13	.9918018	46	.9932598	79	.9947130
14	.9918461	47	.9933039	80	.9947569
15	.9918903	48	.9933480	81	.9948009
16	.9919345	49	.9933921	82	.9948448
17	.9919788	50	.9934362	83	.9948888
18	.9920230	51	.9934803	84	.9949327
19	.9920673	52	.9935244	85	.9949767
20	.9921115	53	.9935685	86	.9950206
21	.9921557	54	.9936126	87	.9950645
22	.9921999	55	.9936566	88	.9951085
23	.9922441	56	.9937007	89	.9951524
24	.9922884	57	.9937448	90	.9951963
25	.9923326	58	.9937888	91	.9952402
26	.9923768	59	.9938329	92	.9952841
27	.9924210	60	.9938769	93	.9953280
28	.9924651	61	.9939210	94	.9953719
29	.9925093	62	.9939650	95	.9954158
30	.9925535	63	.9940090	96	.9954597
31	.9925977	64	.9940531	97	.9955036
32	.9926419	65	.9940971	98	.9955474
33	.9926860	66	.9941411	99	.9955913
34	.9027302	67	.9941851	9900	.9956352

N.	Logarith.	N.	Logarith.	N.	Logarith.
8901	3.9494388	8934	3.9510459	8967	3.9526472
8902	3.9494876	8935	3.9510946	8968	3.9526956
8903	3.9495364	8936	3.9511432	8969	3.9527440
8904	3.9495852	8937	3.9511918	8970	3.9527924
8905	3.9496339	8938	3.9512404	8971	3.9528409
06	3.9496827	39	.9512889	72	.9528893
07	3.9497315	40	.9513375	73	.9529377
08	3.9497802	41	.9513861	74	.9529861
09	3.9498290	42	.9514347	75	.9530345
10	3.9498777	43	.9514832	76	.9530828
11	.9499264	44	.9515318	77	.9531312
12	.9499752	45	.9515803	78	.9531796
13	.9500239	46	.9516289	79	.9532280
14	.9500726	47	.9516774	80	.9532763
15	.9501213	48	.9517260	81	.9533247
16	.9501701	49	.9517745	82	.9533730
17	.9502188	50	.9518230	83	.9534214
18	.9502675	51	.9518716	84	.9534697
19	.9503162	52	.9519201	85	.9535181
20	.9503649	53	.9519686	86	.9535664
21	.9504135	54	.9520171	87	.9536147
22	.9504622	55	.9520656	88	.9536631
23	.9505109	56	.9521141	89	.9537114
24	.9505596	57	.9521626	90	.9537597
25	.9506082	58	.9522111	91	.9538080
26	.9506569	59	.9522595	92	.9538563
27	.9507055	60	.9523080	93	.9539046
28	.9507542	61	.9523565	94	.9539529
29	.9508028	62	.9524049	95	.9540012
30	.9508515	63	.9524534	96	.9540494
31	.9509001	64	.9525018	97	.9540977
32	.9509487	65	.9525503	98	.9541460
33	.9509973	66	.9525987	99	.9541943
34	.9510459	67	.9526472	9000	3.9542425

N.	Logarith.	N.	Logarith.	N.	Logarith.
9001	3.9542908	9034	3.9558801	9067	3.9574636
9002	3.9543390	9035	3.9559282	9068	3.9575115
9003	3.9543872	9036	3.9559762	9069	3.9575594
9004	3.9544355	9037	3.9560243	9070	3.9576073
9005	3.9544837	9038	3.9560723	9071	3.9576552
06	.9545319	39	.9561204	72	.9577030
07	.9545802	40	.9561684	73	.9577509
08	.9546284	41	.9562165	74	.9577988
09	.9546766	42	.9562645	75	.9578466
10	.9547248	43	.9563125	76	.9578945
11	.9547730	44	.9563606	77	.9579423
12	.9548212	45	.9564086	78	.9579902
13	.9548694	46	.9564566	79	.9580380
14	.9549175	47	.9565046	80	.9580858
15	.9549657	48	.9565526	81	.9581337
16	.9550139	49	.9566006	82	.9581815
17	.9550621	50	.9566486	83	.9582293
18	.9551102	51	.9566966	84	.9582771
19	.9551584	52	.9567445	85	.9583249
20	.9552065	53	.9567925	86	.9583727
21	.9552547	54	.9568405	87	.9584205
22	.9553028	55	.9568885	88	.9584683
23	.9553510	56	.9569364	89	.9585161
24	.9553991	57	.9569844	90	.9585639
25	.8554472	58	.9570323	91	.8586117
26	.9554953	59	.9570803	92	.9586594
27	.9555434	60	.9571282	93	.9587072
28	.9555915	61	.9571761	94	.9587549
29	.9556397	62	.9572241	95	.9588027
30	.9556877	63	.9572720	96	.9588505
31	.9557358	64	.9573199	97	.9588982
32	.9557839	65	.9573678	98	.9589455
33	.9558320	66	.9574157	99	.9589937
34	.9558801	67	.9574636	9100	.9590414

N.	Logarith.	N.	Logarith.	N.	Logarith.
9101	3.9590891	9134	3.9606610	9167	3.9622272
9102	3.9591368	9135	3.9607085	9168	3.9622746
9103	3.9591845	9136	3.9607561	9169	3.9623220
9104	3.9592322	9137	3.9608036	9170	3.9623693
9105	3.9592799	9138	3.9608511	9171	3.9624167
06	.9593276	39	.9608987	72	.9624640
07	.9593753	40	.9609462	73	.9625114
08	.9594230	41	.9609937	74	.9625587
09	.9594707	42	.9610412	75	.9626061
10	.9595184	43	.9610887	76	.9626534
11	.9595660	44	.9611362	77	.9627007
12	.9596137	45	.9611837	78	.9627480
13	.9596614	46	.9612312	79	.9627954
14	.9597090	47	.9612787	80	.9628427
15	.9597567	48	.9613261	81	.9628900
16	.9598043	49	.9613736	82	.9629373
17	.9598519	50	.9614211	83	.9629846
18	.9598996	51	.9614685	84	.9630319
19	.9599472	52	.9615160	85	.9630792
20	.9599948	53	.9615635	86	.9631264
21	.9600424	54	.9616109	87	.9631737
22	.9600901	55	.9616583	88	.9632210
23	.9601377	56	.9617058	89	.9632683
24	.9601853	57	.9617532	90	.9633155
25	.9602329	58	.9618006	91	.9633628
26	.9602805	59	.9618480	92	.9634100
27	.9603280	60	.9618955	93	.9634573
28	.9603756	61	.9619429	94	.9635045
29	.9604232	62	.9619903	95	.9635517
30	.9604708	63	.9620377	96	.9635990
31	.9605183	64	.9620851	97	.9636462
32	.9605659	65	.9621325	98	.9639634 69
33	.9606134	66	.9621798	99	.9637406
34	.9606610	67	.9622272	9200	.9637878

N.	Logarith.	N.	Logarith.	N.	Logarith.
9201	3.9638350	9234	3.9653899	9267	3.9669392
9202	3.9638822	9235	3.9654369	9268	3.9669860
9203	3.9639294	9236	3.9654839	9269	3.9670329
9204	3.9639766	9237	3.9655309	9270	3.9670797
9205	3.9640238	9238	3.9655789	9271	3.9671266
06	.9640710	39	.9656250	72	.9671734
07	.9641181	40	.9656720	73	.9672202
08	.9641653	41	.9657190	74	.9672671
09	.9642125	42	.9657660	75	.9673139
10	.9642596	43	.9658129	76	.9673607
11	.9643068	44	.9658599	77	.9674075
12	.9643539	45	.9659069	78	.9674544
13	.9644011	46	.9659539	79	.9675012
14	.9644482	47	.9660008	80	.9675480
15	.9644953	48	.9660478	81	.9675948
16	.9645425	49	.9660948	82	.9676416
17	.9645896	50	.9661417	83	.9676883
18	.9646367	51	.9661887	84	.9677351
19	.9646838	52	.9662356	85	.9677819
20	.9647309	53	.9662826	86	.9678287
21	.9647780	54	.9663295	87	.9678754
22	.9648251	55	.9663764	88	.9679222
23	.9648722	56	.9664233	89	.9679690
24	.9649193	57	.9664703	90	.9680157
25	.8949664	58	.9665172	91	.8980625
26	.9650134	59	.9665641	92	.9681092
27	.9650605	60	.9666110	93	.9681559
28	.9651076	61	.9666579	94	.9682027
29	.9651546	62	.9667048	95	.9682494
30	.9652017	63	.9667517	96	.9682961
31	.9652487	64	.9667985	97	.9683428
32	.9652958	65	.9668454	98	.9683895
33	.9653428	66	.9668923	99	.9684362
34	.9653898	67	.9669392	9300	.9684809

N.	Logarith.	N.	Logarith.	N.	Logarith.
9301	3.9685296	9334	3.9700678	9367	3.9716005
9302	3.9685763	9335	3.9701143	9368	3.9716469
9303	3.9686230	9336	3.9701608	9369	3.9716932
9304	3.9686697	9337	3.9702074	9370	3.9717396
9305	3.9687164	9338	3.9702539	9371	3.9717859
06	.9687630	39	.9703004	72	.9718323
07	.9688097	40	.9703469	73	.9718786
08	.9688564	41	.9703934	74	.9719249
09	.9689030	42	.9704399	75	.9719713
10	.9689497	43	.9704863	76	.9720176
11	.9689963	44	.9705328	77	.9720639
12	.9690430	45	.9705793	78	.9721102
13	.9690896	46	.9706258	79	.9721565
14	.9691362	47	.9706722	80	.9722028
15	.9691829	48	.9707187	81	.9722491
16	.9692295	49	.9707652	82	.9722954
17	.9692761	50	.9708116	83	.9723417
18	.9693227	51	.9708581	84	.9723880
19	.9693693	52	.9709045	85	.9724343
20	.9694159	53	.9709509	86	.9724805
21	.9694625	54	.9709974	87	.9725268
22	.9695091	55	.9710438	88	.9725731
23	.9695557	56	.9710902	89	.9726193
24	.9696023	57	.9711366	90	.9726656
25	.9696488	58	.9711830	91	.9727118
26	.9696954	59	.9712294	92	.9727581
27	.9697420	60	.9712758	93	.9728043
28	.9697885	61	.9713222	94	.9728506
29	.9698351	62	.9713686	95	.9728968
30	.9698816	63	.9714150	96	.9729430
31	.9699282	64	.9714614	97	.9729892
32	.9699747	65	.9715078	98	.9730354
33	.9700213	66	.9715542	99	.9730816
34	.9700678	67	.9716005	9400	.9731279

N.	Logarith.	N.	Logarith.	N.	Logarith.
9401	3.9731741	9434	3.9746959	9467	3.9762124
9402	3.9732202	9435	3.9747419	9468	3.9762582
9403	3.9732664	9436	3.9747879	9469	3.9763041
9404	3.9733126	9437	3.9748340	9470	3.9763500
9405	3.9733588	9438	3.9748800	9471	3.9763958
06	.9734050	39	.9749260	72	.9764417
07	.9734511	40	.9749720	73	.9764875
08	.9734973	41	.9750180	74	.9765334
09	.9735435	42	.9750640	75	.9765792
10	.9735896	43	.9751100	76	.9766251
11	.9736358	44	.9751560	77	.9766709
12	.9736819	45	.9752020	78	.9767167
13	.9737281	46	.9752479	79	.9767625
14	.9737742	47	.9752939	80	.9768083
15	.9738203	48	.9753399	81	.9768541
16	.9738664	49	.9753858	82	.9768999
17	.9739126	50	.9754318	83	.9769457
18	.9739587	51	.9754778	84	.9769915
19	.9740048	52	.9755237	85	.9770373
20	.9740509	53	.9755697	86	.9770831
21	.9740970	54	.9756156	87	.9771289
22	.9741431	55	.9756615	88	.9771747
23	.9741892	56	.9757075	89	.9772204
24	.9742353	57	.9757534	90	.9772662
25	.9742814	58	.9757993	91	.9773120
26	.9743274	59	.9758452	92	.9773577
27	.9743735	60	.9758911	93	.9774035
28	.9744196	61	.9759370	94	.9774492
29	.9744656	62	.9759829	95	.9774950
30	.9745117	63	.9760288	96	.9775407
31	.9745577	64	.9760747	97	.9775864
32	.9746038	65	.9761206	98	.9776322
33	.9746498	66	.9761665	99	.9776779
34	.9746959	67	.9762124	9500	.9777236

N.	Logarith.	N.	Logarith.	N.	Logarith.
9501	3.9777693	9534	3.9792751	9567	3.9807757
9502	3.9778150	9535	3.9793207	9568	3.9808212
9503	3.9778607	9536	3.9793662	9569	3.9808665
9504	3.9779064	9537	3.9794118	9570	3.9809119
9505	3.9779521	9538	3.9794573	9571	3.9809573
06	.9779978	39	.9795028	72	.9810027
07	.9780435	40	.9795484	73	.9810480
08	.9780892	41	.9795939	74	.9810934
09	.9781348	42	.9796394	75	.9811388
10	.9781805	43	.9796849	76	.9811841
11	.9782262	44	.9797304	77	.9812295
12	.9782718	45	.9797759	78	9812748
13	.9783175	46	.9798214	79	.9813202
14	.9783631	47	.9798669	80	.9813655
15	.9784088	48	.9799124	81	.9814108
16	.9784544	49	.9799579	82	.9814562
17	.9785001	50	.9800034	83	.9815015
18	.9785457	51	.9800488	84	.9815468
19	.9785913	52	.9800943	85	.9815921
20	.9786369	53	.9801398	86	.9816374
21	.9786826	54	.9801852	87	.9816827
22	.9787282	55	.9802307	88	.9817280
23	.9787738	56	.9802761	89	.9817733
24	.9788194	57	.9803216	90	.9818186
25	.9788650	58	.9803670	91	.9818639
26	.9789106	59	.9804125	92	.9819092
27	.9789562	60	.9804579	93	.9819544
28	.9790017	61	.9805033	94	.9819997
29	.9790473	62	.9805487	95	.9820450
30	.9790929	63	.9805941	96	.9820902
31	.9791835	64	.9806396	97	.9821355
32	.9791840	65	.9806850	98	.9821807
33	.9792296	66	.9807304	99	.9822260
34	.9792751	67	.9807758	9600	.9822712

N.	Logarith.	N.	Logarith.	N.	Logarith.
9601	3.9823165	9634	3.9838066	9667	3.9852917
9602	3.9823617	9635	3.9838517	9668	3.9853366
9603	3.9824069	9636	3.9838968	9669	3.9853816
9604	3.9824521	9637	3.9839418	9670	3.9854265
9605	3.9824974	9638	3.9839869	9671	3.9854714
06	.9825426	39	.9840320	72	.9855163
07	.9825878	40	.9840770	73	.9855612
08	.9826330	41	.9841221	74	.9856061
09	.9826782	42	.9841671	75	.9856510
10	.9827234	43	.9842122	76	.9856958
11	.9827686	44	.9842572	77	.9857407
12	.9828138	45	.9843022	78	.9857856
13	.9828589	46	.9843472	79	.9858305
14	.9829041	47	.9843923	80	.9858753
15	.9829493	48	.9844373	81	.9859202
16 ~~11~~	.9829944	49	.9844823	82	.9859651
17 ~~12~~	.9830396	50	.9845273	83	.9860099
18 ~~13~~	.9830848	51	.9845723	84	.9860548
19 ~~14~~	.9831299	52	.9846173	85	.9860996
20	.9831751	53	.9846623	86	.9861445
21	.9832202	54	.9847073	87	.9861893
22	.9832653	55	.9847523	88	.9862341
23	.9833105	56	.9847972	89	.9862789
24	.9833556	57	.9848422	90	.9863238
25	.9834007	58	.9848872	91	.9863686
26	.9834458	59	.9849322	92	.9864134
27	.9834910	60	.9849771	93	.9864582
28	.9835361	61	.9850221	94	.9865030
29	.9835812	62	.9850670	95	.9865478
30	.9836263	63	.9851120	96	.9865926
31	.9836714	64	.9851569	97	.9866374
32	.9837165	65	.9852018	98	.9866822
33	.9837616	66	.9852468	99	.9867269
34	.983806[illegible]	67	.9852917	9700	.9867717

N.	Logarith.	N.	Logarith.	N.	Logarith.
701	3.9868165	9734	3.9882913	9767	3.9897612
702	3.9868613	9735	3.9883360	9768	3.9898056
703	3.9869060	9736	3.9883806	9769	3.9898501
704	3.9869508	9737	3.9884252	9770	3.9898946
705	3.9869955	9738	3.9884698	771	3.9899390
06	.9870403	39	.9885144	72	.9899835
07	.9870850	40	.9885590	73	.9900279
08	.9871298	41	.9886035	74	.9900723
09	.9871745	42	.9886481	75	.9901168
10	.9872192	43	.9886927	76	.9901612
11	.9872640	44	.9887373	77	.9902056
12	.9873087	45	.9887818	78	.9902500
13	.9873534	46	.9888264	79	.9902944
14	.9873981	47	.9888710	80	.9903389
15	.9874428	48	.9889155	81	.9903833
16	.9874875	49	.9889601	82	.9904277
17	.9875322	50	.9890046	83	.9904721
18	.9875769	51	.9890492	84	.9905164
19	.9876216	52	.9890937	85	.9905608
20	.9876663	53	.9891382	86	.9906052
21	.9877109	54	.9891828	87	.9906496
22	.9877556	55	.9892273	88	.9906940
23	.9878003	56	.9892718	89	.9907383
24	.9878449	57	.9893163	90	.9907827
25	.9878896	58	.9893608	91	.9908270
26	.9879343	59	.9894053	92	.9908714
27	.9879789	60	.9894498	93	.9909158
28	.9880236	61	.9894943	94	.9909601
29	.9880682	62	.9895388	95	.9910044
30	.9881128	63	.9895833	96	.9910488
31	.9881575	64	.9896278	97	.9910931
32	.9882021	65	.9896722	98	.9911374
33	.9882467	66	.9897167	99	.9911818
34	.9882913	67	.9897612	9800	.9912261

9802

N.	Logarith.	N.	Logarith.	N.	Logarith.
9801	3.9912704	9834	3.9927302	9867	3.9941851
9802	3.9913147	9835	3.9927744	9868	3.9942291
9803	3.9913590	9836	3.9928185	9869	3.9942731
9804	3.9914033	9837	3.9928627	9870	3.9943172
9805	3.9914476	9838	3.9929068	9871	3.9943612
06	.9914919	39	.9929510	72	.9944051
07	.9915362	40	.9929951	73	.9944491
08	.9915805	41	.9930392	74	.9944931
09	.9916247	42	.9930834	75	.9945371
19	.9916690	43	.9931275	76	.9945811
11	.9917133	44	.9931716	77	.9946251
12	.9917575	45	.9932157	78	.9946690
13	.9918018	46	.9932598	79	.9947130
14	.9918461	47	.9933039	80	.9947569
15	.9918903	48	.9933480	81	.9948009
16	.9919345	49	.9933921	82	.9948448
17	.9919788	50	.9934362	83	.9948888
18	.9920230	51	.9934803	84	.9949327
19	.9920673	52	.9935244	85	.9949767
20	.9921115	53	.9935685	86	.9950206
21	.9921557	54	.9936126	87	.9950645
22	.9921999	55	.9936566	88	.9951085
23	.9922441	56	.9937007	89	.9951524
24	.9922884	57	.9937448	90	.9951963
25	.9923326	58	.9937888	91	.9952402
26	.9923768	59	.9938329	92	.9952841
27	.9924210	60	.9938769	93	.9953280
28	.9924651	61	.9939210	94	.9953719
29	.9925093	62	.9939650	95	.9954158
30	.9925535	63	.9940090	96	.9954597
31	.9925977	64	.9940531	97	.9955036
32	.9926419	65	.9940971	98	.9955474
33	.9926860	66	.9941411	99	.9955913
34	.9927302	67	.9941851	9900	.9956352

N.	Logarith.	N.	Logarith.	N.	Logarith.
9901	3.9956791	9934	3.9971242	9967	3.9985644
9902	3.9957229	9935	3.9971679	9968	3.9986080
9903	3.9957668	9936	3.9972116	9969	3.9986516
9904	3.9958106	9937	3.9972553	9970	3.9986951
9905	3.9958545	9938	3.9972990	9971	3.9987387
06	3.9958983	39	.9973427	72	.9987823
07	3.9959422	40	.9973864	73	.9988258
08	3.9959860	41	.9974301	74	.9988694
09	3.9960298	42	.9974738	75	.9989129
10	3.9960736	43	.9975174	76	.9989564
11	.9961175	44	.9975611	77	.9990000
12	.9961613	45	.9976048	78	.9990435
13	.9962051	46	.9976484	79	.9990870
14	.9962489	47	.9976921	80	.9991305
15	.9962927	48	.9977358	81	.9991740
16	.9963365	49	.9977794	82	.9992176
17	.9963803	50	.9978231	83	.9992611
18	.9964241	51	.9978667	84	.9993046
19	.9964679	52	.9979104	85	.9993481
20	.9965117	53	.9979540	86	.9993916
21	.9965554	54	.9979976	87	.9994350
22	.9965992	55	.9980413	88	.9994785
23	.9966430	56	.9980849	89	.9995220
24	.9966867	57	.9981285	90	.9995655
25	.9967305	58	.9981721	91	.9996089
26	.9967743	59	.9982157	92	.9996524
27	.9968180	60	.9982593	93	.9996959
28	.9968618	61	.9983029	94	.9997393
29	.9969055	62	.9983465	95	.9997828
30	.9969492	63	.9983901	96	.9998262
31	.9969930	64	.9984337	97	.9998697
32	.9970367	65	.9984773	98	.9999131
33	.9970804	66	.9985209	99	.9999566
34	.9971241	67	.9985644	10000	4.0000000

TABVLA NVMERORVM, QVADRATORVM ET CVBICORVM

AB 1 VSQVE AD 1000.

R.	Q.	C.	R.	Q.	C.
1	1	1	36	1296	46656
2	4	8	37	1369	50653
3	9	27	38	1444	54872
4	16	64	39	1521	59319
5	25	125	40	1600	64000
6	36	216	41	1681	68921
7	49	343	42	1764	74088
8	64	512	43	1849	79507
9	81	729	44	1936	85184
10	100	1000	45	2025	91125
11	121	1331	46	2116	97336
12	144	1728	47	2209	103823
13	169	2197	48	2304	110592
14	196	2744	49	2401	117649
15	225	3375	50	2500	125000
16	256	4096	51	2601	132651
17	289	4913	52	2704	140608
18	324	5832	53	2809	148877
19	361	6859	54	2916	1574[illegible]
20	400	8000	55	3025	166375
21	441	9261	56	3136	175616
22	484	10648	57	3249	185193
23	529	12167	58	3364	195112
24	576	13824	59	3481	205379
25	625	15625	60	3600	216000
26	676	17576	61	3721	226981
27	729	19683	62	3844	238328
28	784	21952	63	3969	250047
29	841	24389	64	4096	262144
30	900	27000	65	4225	274625
31	961	29791	66	4356	287496
32	1024	32768	67	4489	300763
33	1089	35937	68	4624	314432
34	1156	39304	69	4761	328509
35	1225	42875	70	4900	343000

R.	Q.	C.	R.	Q.	C.
71	5041	357911	106	11236	1191016
72	5184	373248	107	11449	1225043
73	5329	389017	108	11664	1259712
74	5476	405224	109	11881	1295029
75	5625	421875	110	12100	1331000
76	5776	438976	111	12321	1367631
77	5929	456533	112	12544	1404928
78	6084	474552	113	12769	1442897
79	6241	493039	114	12996	1481544
80	6400	512000	115	13225	1520875
81	6561	531441	116	13456	1560896
82	6724	551368	117	13689	1601613
83	6889	571787	118	13924	1643032
84	7056	592704	119	14161	1685159
85	7225	614125	120	14400	1728000
86	7396	636056	121	14641	1771561
87	7569	658503	122	14884	1815848
88	7744	681472	123	15129	1860867
89	7921	704969	124	15376	1906624
90	8100	729000	125	15625	1953125
91	8281	753571	126	15876	2000376
92	8464	778688	127	16129	2048383
93	8649	804357	128	16384	2097152
94	8836	830584	129	16641	2146689
95	9025	857375	130	16900	2197000
96	9216	884736	131	17161	2248091
97	9409	912673	132	17424	2299968
98	9604	941192	133	17689	2352637
99	9801	970299	134	17956	2406104
100	10000	1000000	135	18225	2460375
101	10201	1030301	136	18496	2515456
102	10404	1061208	137	18769	2571353
103	10609	1092727	138	19044	262[illegible]
104	10816	1124864	139	19321	2685619
105	11025	1157625	140	19600	2744000

R.	Q.	C.	R.	Q.	C.
141	19881	2803221	176	30976	5451776
142	20164	2863288	177	31329	5545233
143	20449	2924207	178	31684	5639752
144	20736	2985984	179	32041	5735339
145	21025	3048625	180	32400	5832000
146	21316	3112136	181	32761	5929741
147	21609	3176523	182	33124	6028568
148	21904	3241792	183	33489	6128487
149	22201	3307949	184	33856	6229504
150	22500	3375000	185	34225	6331625
151	22801	3442951	186	34596	6434856
152	23104	3511808	187	34969	6539203
153	23409	3581577	188	35344	6644672
154	23716	3652264	189	35721	6751269
155	24025	3723875	190	36100	6859000
156	24336	3796416	191	36481	6967871
157	24649	3869893	192	36864	7077888
158	24964	3944312	193	37249	7189057
159	25281	4019679	194	37636	7301384
160	25600	4096000	195	38025	7414875
161	25921	4173281	196	38416	7529536
162	26244	4251528	197	38809	7645373
163	26569	4330747	198	39204	7762392
164	26896	4410944	199	39601	7880599
165	27225	4492125	200	40000	8000000
166	27556	4574296	201	40401	8120601
167	27889	4657463	202	40804	8242408
168	28224	4741632	203	41209	8365427
169	28561	4826809	204	41616	8489664
170	28900	4913000	205	42025	8615125
171	29241	5000211	206	42436	8741816
172	29584	5088448	207	42849	8869743
173	29929	5177717	208	43264	8998912
174	[illegible]	5268024	209	43681	9129329
175	[illegible]	5359375	210	44100	9261000

R.	Q.	C.	R.	Q.	C.
211	44521	9393931	246	60516	14886936
212	44944	9528128	247	61009	15069223
213	45369	9663597	248	61504	15252992
214	45796	9800344	249	62001	15438249
215	46225	9938375	250	62500	15625000
216	46656	10077696	251	63001	15813251
217	47089	10218313	252	63504	16003008
218	47524	10360232	253	64009	16194277
219	47961	10503459	254	64516	16387064
220	48400	10648000	255	65025	16581375
221	48841	10793861	256	65536	16777216
222	49284	10941048	257	66049	16974593
223	49729	11089567	258	66564	17173512
224	50176	11239424	259	67081	17373979
225	50625	11390625	260	67600	17576000
226	51076	11543176	261	68121	17779581
227	51529	11697083	262	68644	17984728
228	51984	11852352	263	69169	18191447
229	52441	12008989	264	69696	18399744
230	52900	12167000	265	70225	18609625
231	53361	12326391	266	70756	18821096
232	53824	12487168	267	71289	19034163
233	54289	12649337	268	71824	19248832
234	54756	12812904	269	72361	19465109
235	55225	12977875	270	72900	19683000
236	55696	13144256	271	73441	19902511
237	56169	13312053	272	73984	20123648
238	56644	13481272	273	74529	20346417
239	57121	13651919	274	75076	20570824
240	57600	13824000	275	75625	20796875
241	58081	13997521	276	76176	21024576
242	58564	14172488	277	76729	21253933
243	59049	14348907	278	77284	21484952
244	59536	14526784	279	77841	21717639
245	60025	14706125	280	78400	21952000

R.	Q.	C.	R.	Q.	C.
281	78961	22188041	316	99856	31554496
282	79524	22425768	317	100489	31855013
283	80089	22665187	318	101124	32157432
284	80656	22906304	319	101761	32461759
285	81225	23149125	320	102400	32768000
286	81796	23393656	321	103041	33076161
287	82369	23639903	322	103684	33386248
288	82944	23887872	323	104329	33698267
289	83521	24137569	324	104976	34012224
290	84100	24389000	325	105625	34328125
291	84681	24642171	326	106276	34645976
292	85264	24897088	327	106929	34965783
293	85849	25153757	328	107584	35287552
294	86436	25412184	329	108241	35611289
295	87025	25672375	330	108900	35937000
296	87616	25934336	331	109561	36264691
297	88209	26198073	332	110224	36594368
298	88804	26463592	333	110889	36926037
299	89401	26730899	334	111556	37259704
300	90000	27000000	335	112225	37595375
301	90601	27270901	336	112896	37933056
302	91204	27543608	337	113569	38272753
303	91809	27818127	338	114244	38614472
304	92416	28094464	339	114921	38958219
305	93025	28372625	340	115600	39304000
306	93636	28652616	341	116281	39651821
307	94249	28934443	342	116964	40001688
308	94864	29218112	343	117649	40353607
309	95481	29503629	344	118336	40707584
310	96100	29791000	345	119025	41063625
311	96721	30080231	346	119716	41421736
312	97344	30371328	347	120409	41781923
313	97969	30664297	348	121104	42144192
314	98596	30959144	349	121801	42508549
315	99225	31255875	350	122500	42875000

R.	Q.	C.	R.	Q.	C.
351	123201	43243551	386	148996	57512456
352	123904	43614208	387	149769	57960603
353	124609	43986977	388	150544	58411072
354	125316	44361864	389	151321	58863869
355	126025	44738875	390	152100	59319000
356	126736	45118016	391	152881	59776471
357	127449	45499293	392	153664	60236288
358	128164	45882712	393	154449	60698457
359	128881	46268279	394	155236	61162984
360	129600	46656000	395	156025	61629875
361	130321	47045881	396	156816	62099136
362	131044	47437928	397	157609	62570773
363	131769	47832147	398	158404	63044792
364	132496	48228544	399	159201	63521199
365	133225	48627125	400	160000	64000000
366	133956	49027896	401	160801	64481201
367	134689	49430863	402	161604	64964808
368	135424	49836032	403	162409	65450827
369	136161	50243409	404	163216	65939264
370	136900	50653000	405	164025	66430125
371	137641	51064811	406	164836	66923416
372	138384	51478848	407	165649	67419143
373	139129	51895117	408	166464	67917312
374	139876	52313624	409	167281	68417929
375	140625	52734375	410	168100	68921000
376	141376	53157376	411	168921	69426531
377	142129	53582633	412	169744	69934528
378	142884	54010152	413	170569	70444997
379	143641	54439939	414	171396	70957944
380	144400	54872000	415	172225	71473375
381	145161	55306341	416	173056	7199129[illegible]
382	145924	55742968	417	173889	72511713
383	146689	56181887	418	174724	73034632
384	147456	56623104	419	175561	73560059
385	148225	57066625	420	176400	74088000

R.	Q.	C.	R.	Q.	C.
421	177241	74618461	456	207936	94818816
422	178084	75151448	457	208849	95443993
423	178929	75686967	458	209764	96071912
424	179776	76225024	459	210681	96702579
425	180625	76765625	460	211600	97336000
426	181476	77308776	461	212521	97972181
427	182329	77854483	462	213444	98611128
428	183184	78402752	463	214369	99252847
429	184041	78953589	464	215296	99897344
430	184900	79507000	465	216225	100544625
431	185761	80062991	466	217156	101194696
432	186624	80621568	467	218089	101847563
433	187489	81182737	468	219024	102503232
434	188356	81746504	469	219961	103161709
435	189225	82312875	470	220900	103823000
436	190096	82881856	471	221841	104487111
437	190096	83453453	472	222784	105154048
438	191844	84027672	473	223729	105823817
439	192721	84604519	474	224676	106496424
440	193600	85184000	475	225625	107171875
441	194481	85766121	476	226576	107850176
442	195364	86350888	477	227529	108531333
443	196249	86938307	478	228484	109215352
444	197136	87528384	479	229441	109902239
445	198025	88121125	480	230400	110592000
446	198916	88716536	481	231361	111284641
447	199809	89314623	482	232324	111980168
448	200704	82915392	483	233289	112678587
449	201601	90518849	484	234256	113379904
450	202500	91125000	485	235225	114084125
451	203401	91733851	486	236196	114791256
452	204304	92345408	487	237169	115501303
453	205209	92959677	488	238144	116214272
454	206116	93576664	489	239121	116930169
455	207025	94196375	490	240100	117649000

R.	Q.	C.	R.	Q.	C.
491	241081	118370771	526	276676	145531576
492	242064	119095488	527	277729	146363183
493	243049	119823157	528	278784	147197952
494	144036	120553784	529	279841	148035889
495	245025	121287375	530	280900	148877000
496	246016	122023936	531	281961	149721291
497	247009	122763473	532	283024	150568768
498	248004	123505992	533	284089	151419437
499	249001	124251499	534	285156	152273304
500	250000	125000000	535	286225	153130375
501	251001	125751501	536	287296	153990656
502	252004	126506008	537	288369	154854153
503	253009	127263527	538	289444	155720872
504	254016	128024064	539	290521	156590819
505	255025	128787625	540	291600	157464000
506	256036	129554216	541	292681	158340421
507	257049	130323843	542	293764	159220088
508	258064	131096512	543	294849	160103007
509	259081	131872229	544	295936	160989184
510	260100	132651000	545	297025	161878625
511	261121	133432831	546	298116	162771336
512	262144	134217728	547	299209	163667323
513	263169	135005697	548	300304	164566592
514	264196	135796744	549	301401	165469149
515	265225	136590875	550	302500	166375000
516	266256	137388096	551	303601	167284151
517	267289	138188413	552	304704	168196608
518	268324	138991832	553	305809	169112377
519	269361	139798359	554	306916	170031464
520	270400	140608000	555	308025	170953875
521	271441	141420761	556	309136	171879616
522	272484	142236648	557	310249	172808693
523	273529	143055667	558	311364	173741112
524	274576	143877824	559	312481	174676879
525	275625	144703125	560	313600	175616000

R.	Q.	C.	R.	Q.	C.
561	314721	176558481	596	355216	211708736
562	315844	177504328	597	356409	212776173
563	316969	178453547	598	357604	213847192
564	318096	179406144	599	358801	214921799
565	319225	180362125	600	360000	216000000
566	320356	181321496	601	361201	217081801
567	321489	182284263	602	362404	218167208
568	322624	183250432	603	363609	219256227
569	323761	184220009	604	364816	220348864
570	324900	185193000	605	366025	221445125
571	326041	186169411	606	367236	222545016
572	327184	187149248	607	368449	223648543
573	328329	188132517	608	369664	224755712
574	329476	189119224	609	370881	225866529
575	330625	190109375	610	372100	226981000
576	331776	191102976	611	373321	228099131
577	332929	192100033	612	374544	229220928
578	334084	193100552	613	375769	230346397
579	335241	194104539	614	376996	231475544
580	336400	195112000	615	378225	232608375
581	337561	196122941	616	379456	233744896
582	338724	197137368	617	380689	234885113
583	339889	198155287	618	381924	236029032
584	341056	199176704	619	383161	237176659
585	342225	200201625	620	384400	238328000
586	343396	201230056	621	385641	239483061
587	344569	202262003	622	386884	240641848
588	345744	203297472	623	388129	241804367
589	346921	204336469	624	389376	242970624
590	348100	205379000	725	390625	244140625
591	349281	206425071	626	391876	245314376
592	350464	207474688	627	393129	246491883
593	351649	208527857	628	394384	247673152
594	352836	209584584	629	395641	248858189
595	354025	210644875	630	396900	250047000

R.	Q.	C.	R.	Q.	C.
631	398161	251239591	666	443556	295408296
632	399424	252435968	667	444889	296740963
633	400689	253636137	668	446224	298077632
634	401956	254840104	669	447561	299418309
635	403225	256047875	670	448900	300763000
636	404496	257259456	671	450241	302111711
637	405769	258474853	672	451584	303464448
638	407044	259694072	673	452929	304821217
639	408321	260917119	674	454276	306182024
640	409600	262144000	675	455625	307546875
641	410881	263374721	676	456976	308915776
642	412164	264609288	677	458329	310288733
643	413449	265847707	678	459684	311665752
644	414736	267089984	679	461041	313046839
645	416025	268336125	680	462400	314432000
646	417316	269586136	681	463761	315821241
647	418609	270840023	682	465124	317214568
648	419904	272097792	683	466489	318611987
649	421201	273359449	684	467856	320013504
650	422500	274625000	685	469225	321419125
651	423801	275894451	686	470596	322828856
652	425104	277167808	687	471969	324242703
653	426409	278445077	688	473344	325660672
654	427716	279726264	689	474721	327082769
655	429025	281011375	690	476100	328509000
656	430336	282300416	691	477481	329939371
657	431649	283593393	692	478864	331373888
658	432964	284890312	693	480249	332812557
659	434281	286191179	694	481636	334255384
660	435600	287496000	695	483025	335702375
661	436921	288804781	696	484416	337153536
662	438244	290117528	697	485809	338608873
663	439569	291434247	698	487204	340068392
664	440896	292754944	699	488601	341532099
665	442225	294079625	700	490000	343000000

R.	Q.	C.	R.	Q.	C.
981	962361	944076141	991	982081	973242271
982	964324	946966168	992	984064	976191488
983	966289	949862087	993	986049	979146657
984	968256	952763904	994	988036	982107784
985	970225	955671625	995	990025	985074875
986	972196	958585256	996	992016	988047936
987	974169	961504803	997	994009	991026973
988	976144	964430272	998	996004	994011992
989	978121	967361669	999	998001	997002999
990	980100	970299000	1000	1000000	1000000000

A. M. D. G.